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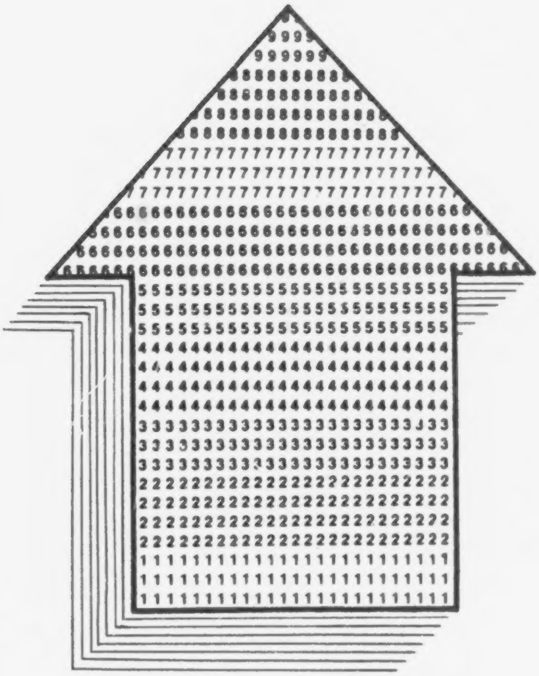
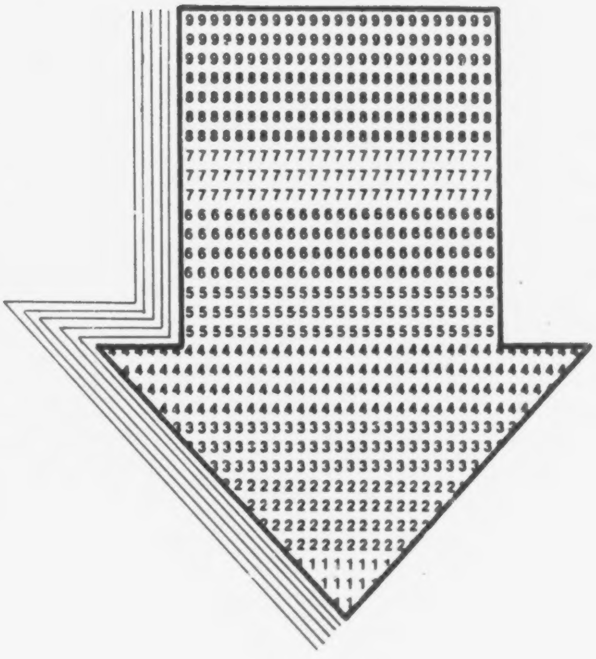
OREGON
Vital Statistics
1980





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OREGON
PUBLIC HEALTH STATISTICS REPORT
FOR CALENDAR YEAR
1980

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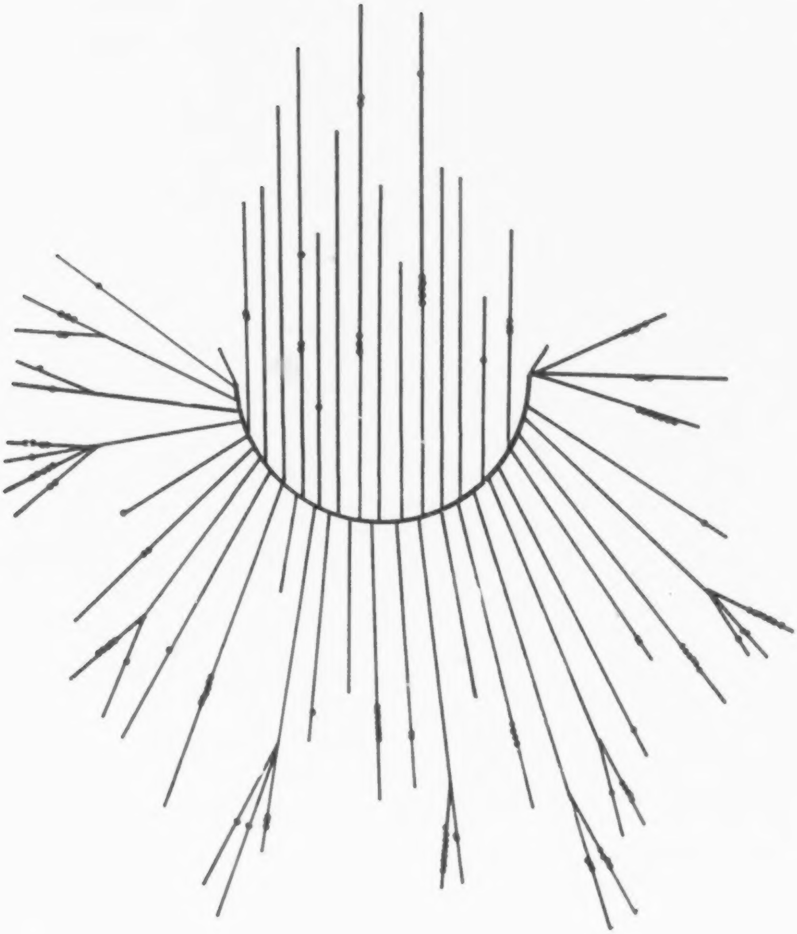
INTRODUCTION



A QUIPU USED BY THE INCAS TO RECORD VITAL STATISTICS.

THE INCA POSTMAN IN OREGON

The Invisible Statistician

One of the famous Father Brown detective stories by G. K. Chesterton concerned itself with a murder committed by a man who apparently was invisible. His voice had been heard and his footprints were seen in the snow, but even those alerted to watch for the culprit had not seen him! As the story unfolds Chesterton reveals through Father Brown that the culprit was the postman. Those alerted to look for the culprit had indeed seen the postman, but since they had expected to see him he had become virtually invisible, while they stayed alert looking for someone unusual!

To a large extent the vital record statistician is as invisible as Chesterton's postman. Amid the joy of birth, the sorrow of death, the celebration at marriage, the legalities of divorce, the average person is alerted to so many other concerns that no thought is given to recording the facts of the event. For years, though, the invisible vital record statistician has been there to gather the facts and record them for future use. Have you ever seen a vital record statistician?

Secrets Revealed

Chances are you had to answer "No" to the above question. The purpose of this introduction is to make you at least as familiar with a vital record statistician as you are with that likewise invisible postman. To do so let's take a brief look at some of the history of the vital statistician and at some of the tools of the trade. Such a look will enhance the use and value of the contents of this publication which is after all an end product of the vital statistician's trade.

Some Very Early Vital Statisticians

It is said that the fact that Lima is the present day capital of Peru is a result of subtle revenge by the Incas who after being conquered by Pizarro had advised the Spaniards to locate the new capital there. Lima, located on the coast of Peru, receives less than two inches of rain per year and has only one river bringing water to it's many inhabitants. It is a city in marked contrast to the verdant Andean city of Cuzco which was the capital of the Inca empire for many years before the coming of Pizarro.

Indeed, it was in Cuzco in 1539 that Garcilasso de la Vega was born of an Incan mother and Spanish father. From de la Vega we have learned of some very early vital record statisticians. These early statisticians were known as Quipucamayus (Key-poo-ka-may-yous). They were men carefully selected for intelligence and ability by each Inca king to keep the annual records of his reign, and to carefully maintain records of the reigns of previous kings. The quipucamayus kept the records of births, deaths and other vital events occurring in each village by tying knots on long woven cords of colored string.

These "Peruvian Knot Records" were used because the Incas had no written characters for simple sounds. One cannot help but form an analogy between the "quipus" as the knot recording mechanisms were called, and the computerized systems of today. We have gone from knots on colored strings in place of written characters, to electric impulses on miniaturized computer chips to represent printed characters. What we are doing remains the same. It is only how we are doing it that has changed. It is good for our humility to ask whether we can consider ourselves more intelligent than the ancient quipucamayus, or is it that we are just able to do things faster?

And Even Before That

History tells us that the invisible vital record person was around even before the time of the Inca empire. As early as 1250 B.C. in Egypt and 720 A.D. in Japan vital registration systems were actively at work. It is probable that the Egyptian system did not include all classes of the population, and in both Egypt and Japan it is likely that the registration systems were ecclesiastically based rather than civil registration systems. Most early systems, indeed, counted baptisms, burials, and weddings (that is, religious ceremonies) rather than births, deaths and marriages. The Inca Quipu system represents our earliest known "civil" registration system.

From Records to Statistics

Our search back through history for clues about the existance of the invisible vital record person also shows us that for many centuries whether he was involved in an ecclesiastical or civil system the vital records person was primarily registration oriented. That is, our invisible person was busy recording events but not busy producing statistics from those records.

A birth was recorded as occurring on Birchin Lane, London in 1620 which changed that. John Graunt went on from his birth in London in 1620 to write a book entitled Natural and Political Observations Made Upon the Bills of Mortality. Graunt founded what we today call vital statistics and with his book began the publication of vital statistics. More than three centuries later, the publication of vital statistics continues, and in that Graunt tradition the Center for Health Statistics presents this annual report of vital statistics for the State of Oregon!

Now, on to the tools of the trade of this person who has been so long in our history as to have assumed the aura of invisibility.

JOSEPH D. CARNEY
State Registrar

HOW TO BE A VITAL STATISTICIAN

This book presents vital statistics and highlights a number of important demographic and public health changes. But the possible uses of vital statistics are endless. Data users are as diverse as a public-health official evaluating a program using death data, a demographer projecting school enrollments with birth data, and a business person deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group a misunderstanding of what vital statistics mean or an incorrectly used comparison can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful. Additional information about specific events is provided at the beginning of each section.

STEP 1: Finding the correct number

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

(a) Which event or events are appropriate?

DEATHS
INFANT DEATHS
NEONATAL DEATHS
POST-NEONATAL DEATHS
FETAL DEATHS
LOW BIRTHWEIGHT INFANTS
PREGNANCIES
INDUCED ABORTIONS
MARRIAGES
ANNULMENTS
DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the researcher who asks, "Have we reduced the likelihood of death for babies?" Selecting neonatal deaths (babies who die before they are 28 days old) suggests the answer is yes. But selecting post-neonatal deaths (those between 28 days and one year) suggests no.

To determine which events are appropriate, read the introductions to each of the sections in this report. They contain suggestions, explanations, and some examples of how to interpret the figures.

(b) What is the correct population?

The vital events do not usually occur in individuals' homes, which leads to an interesting problem in geography. Vital events are usually reported two ways:

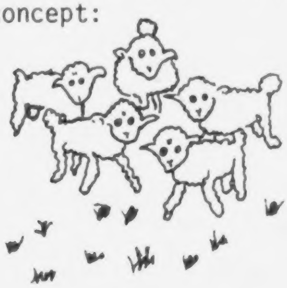
OCCURRENCE	means that the event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Timbuktu.
RESIDENCE	means that the person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion county who died in an accident while on vacation in Michigan has been added to the Marion county resident death figure.

Choosing the appropriate population is important. Occurrence birth data is more relevant to a hospital planner who is deciding to expand or contract delivery services. But residence birth data should be the choice for projecting school enrollment. When in doubt about which population to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event and the right population have been determined, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: Making the number meaningful with rates and ratios

In many instances simply knowing the number of events which occurred is not sufficient. A. Bradford Hill expressed this important statistical concept:



"It is well recognized that white sheep eat more than black sheep -- because there are more of them."

In other words, it is the probability of the event which is important. We know more people died in Multnomah county than in Wheeler county, but is the likelihood of dying really different?

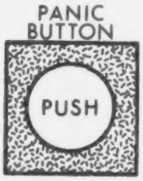
In order to answer this question, statisticians calculate rates. This means that the number of events which occurred are compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\underbrace{\text{POPULATION}}_{\text{the number of people who could have died}}} \times \underbrace{1{,}000}_{\text{a number picked by vital statisticians to eliminate decimal points}}$$

The more specifically a statistician can define the "population at risk" (the bottom part of the rate), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate. This second rate uses only the number of women of childbearing age (15-44) for comparative purposes and is therefore less distorted by quirks in the population distribution. (The turn of the century notion that only married women between the ages of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.) The importance of being specific about the population at risk is explained in Step 3.

Unfortunately we do not always have the correct number for the bottom part of the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number to create a ratio. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.



If you are starting to get confused, DON'T PANIC! The commonly used rates and ratios have already been calculated in these tables, and they are explained in the introduction to each section. A condensed list of formulas can also be found in the appendix, for those needing finer detail. But remember:

When calculating rates and ratios, great care must be taken to make certain that the same time periods, the same geographical boundaries, and the same population are used in the top and bottom parts of the equation.

STEP 3: Comparing places, time periods, and categories

In many situations, the vital statistician's goal is to compare two or more numbers for different geographical areas, different time periods, or different categories such as men versus women. But comparing rates and ratios introduces some new problems which must not be overlooked.

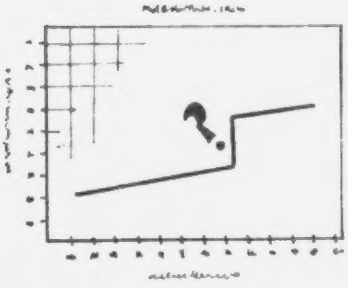
(a) Changes in measurement

The first problem is that the measures being compared are not always the same. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

During the late 1970's approximately 80 to 85 people died each year due to hypertensive disease. → RATE = 3.3 PER 100,000 POPULATION

In 1979, 250 people died from this cause. → RATE = 9.8

The explanation for the difference in 1979 is not that the incidence of hypertensive heart disease deaths increased in 1979. The explanation is that a new scheme for coding the causes was introduced that year.



When comparing rates and ratios over time, it is wise to use as many years as possible to establish a trend. Vital statisticians should always be suspicious when a sudden jump appears in the data. Perhaps the explanation is a change in measurement rather than a real change. Some major measurement changes which have taken place are discussed in each section.

(b) Taking age and sex into account

Mr. G. C. Whipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

> The death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per thousand. But an examination of the death rates for each age group indicates that these all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher.

	1950	1960
CRUDE DEATH RATE	9.1	9.5
AGE SPECIFIC DEATH RATES		
0 - 4	5.9	5.7
5 - 14	0.6	0.4
15 - 24	1.5	1.1
25 - 44	2.4	2.1
45 - 64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are explained in each section and listed in the appendix.

(c) Small numbers

Perhaps the most common error made in vital statistics concerns the use of rates based on very small numbers. When the numbers being used to calculate rates are extremely small, large swings often occur in the rates which do not reflect real changes. Consider Harney county's infant mortality rates for the past five years:

HARNEY COUNTY

YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
1976	143	2	14.0
1977	132	2	15.2
1978	125	0	0
1979	139	1	7.2
1980	131	3	22.9
1976-1980	670	8	11.9

The overall rate of 11.9 is quite close to the state rate for the same time period (12.1). Yet for some years the rate is more than double the rate of other years simply because one additional infant died. Public health officials would waste a good deal of energy reacting to these annual rates.

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is". For example, a statistician will say, "We are 95% sure that the true infant death rate for Oregon in 1980 was 12.1± 1.04, that is, it lies somewhere between 11.06 and 13.14." If two rates have overlapping confidence intervals then the difference between them may be due to this chance variation. In other words the difference is not statistically significant.

When comparing rates and ratios differences should be tested for statistical significance. Formulas are listed in the appendix. For those who are reluctant to use formulas, consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as itself (the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should make an effort to determine if rates are statistically significant.

STEP 4: Analyzing the Data

The first three steps have been fairly mechanical:

(1) Choose the correct events and the correct population to determine the number of events which took place for the geographical areas and time periods.

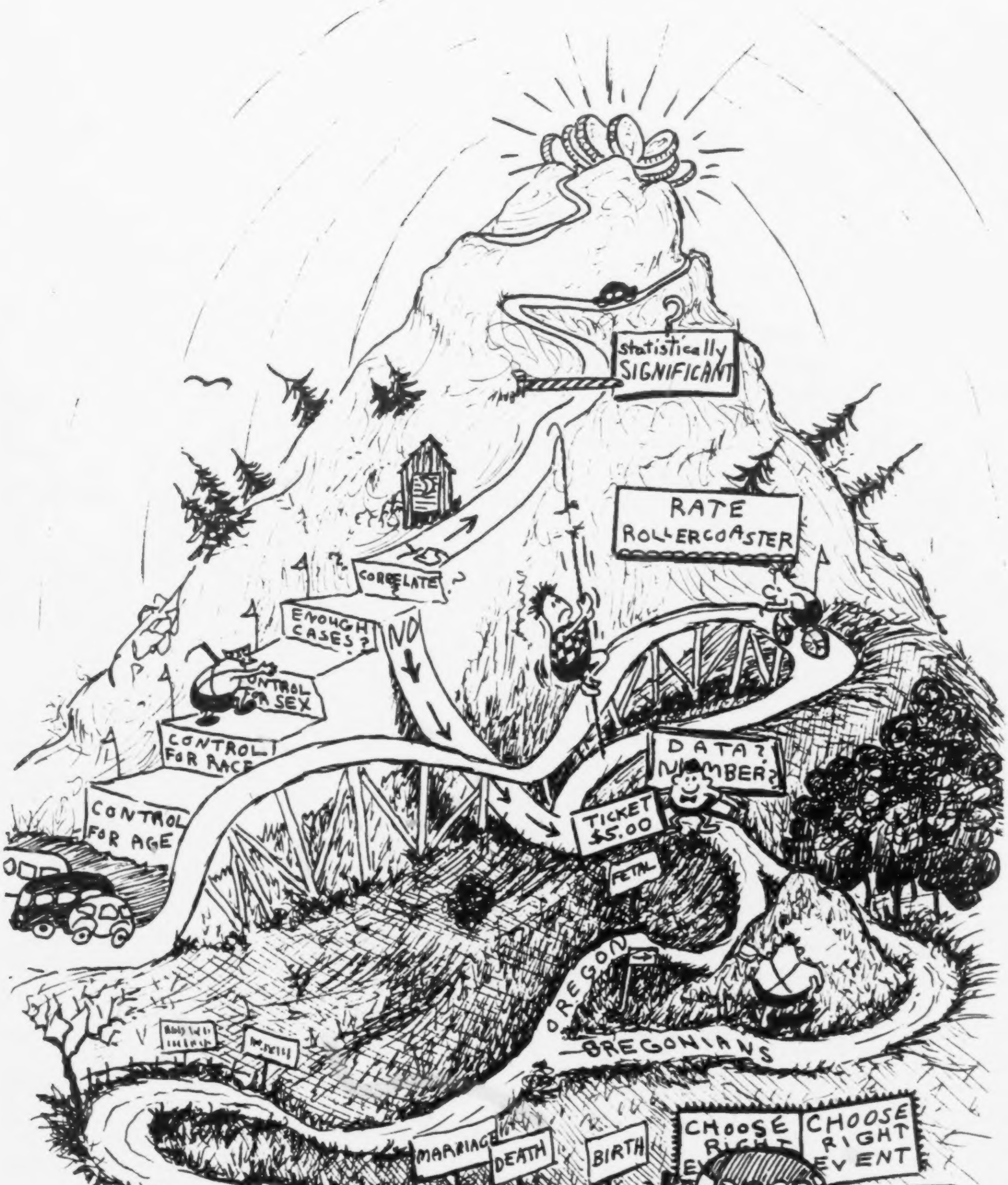
(2) Calculate the rates.

(3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. Just because two rates are different, can we assume that we have a case of cause and effect? Is there another factor which is really causing the changes in the rates? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking the difference? Frequently the statistician has to refine the research question and begin all over again.

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. Previous users will note that some of the figures in this report are presented using a semi-log scale, which makes comparing very large and very small rates easier. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

The map on the next page summarizes the steps (and the pitfalls) involved in using vital statistics. . .


statistically SIGNIFICANT
RATE ROLLERCOASTER
CORRELATE?
YES
ENOUGH CASES?
NO
CONTROL FOR SEX
CONTROL FOR RACE
CONTROL FOR AGE
DATA? NUMBER?
TICKET $5.00
FETAL
OREGON
OREGONIANS
MARRIAGE
DEATH
BIRTH
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MARION HATCHER

THE COLLECTION OF VITAL RECORDS

The presentation of data in this book is only the final stage of a long process. The prompt and accurate recording of vital events is a complicated community service which receives little public recognition until an individual finds he or she has need of the records or the information they contain. The registration system serves two purposes. First, these vital documents are collected, kept safe, and made available to individuals and their families when needed for documentation of the events in which they were personally involved. Second, our complex society has a need to know about health and social changes occurring in our state. Vital Statistics has frequently been called "the eyes and ears of public health." In fact, it is the only organized system of health records covering the entire population. The collection is a highly cooperative endeavor in which a great many people play an important part.

PROVIDERS OF SERVICES

The providers of the services associated with vital events are the first people involved in the collection system. The birth attendant is responsible for completing both the legal document and the confidential, statistical section of the birth certificate. The death and fetal death certificate must be filed by the funeral director or person who first assumes responsibility for the body. A physician completes the medical portion of these death certificates, except in the case of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical-records personnel also play an important role in assuring that all certificates are completed and accurate. These service providers then file the completed certificates with the county registrars in the county where the event occurred. Abortions and communicable diseases are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the State Registrar. Physicians report cases of communicable diseases to the Disease Monitoring and Control section of the Health Division.

COUNTY OFFICIALS

The county registrars play an important role in assuring the completeness and accuracy of the birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. They also follow-up any incomplete items before sending the certificates to the State Registrar at the Center for Health Statistics. The county clerks perform a similar function for marriage and divorce certificates.

CENTER FOR HEALTH STATISTICS

At the state level, the staff of the Center for Health Statistics perform additional completeness and accuracy checks. A field representative makes contacts with providers and county registrars, and clerical staff send letters seeking additional information about causes of death, birthweight, and the status of very small babies.

Coders and keypunchers turn the information into computerized data, while microfilmers store the certificates so that certified copies can be made. The computerized statistical data is then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

Who among all these people is the vital statistician? The answer is -- all of them. The invisible person who records the major life events of our population is really many people who have all played important roles in presenting this report.

QUICK REFERENCE

FIGURE 1.

In one day

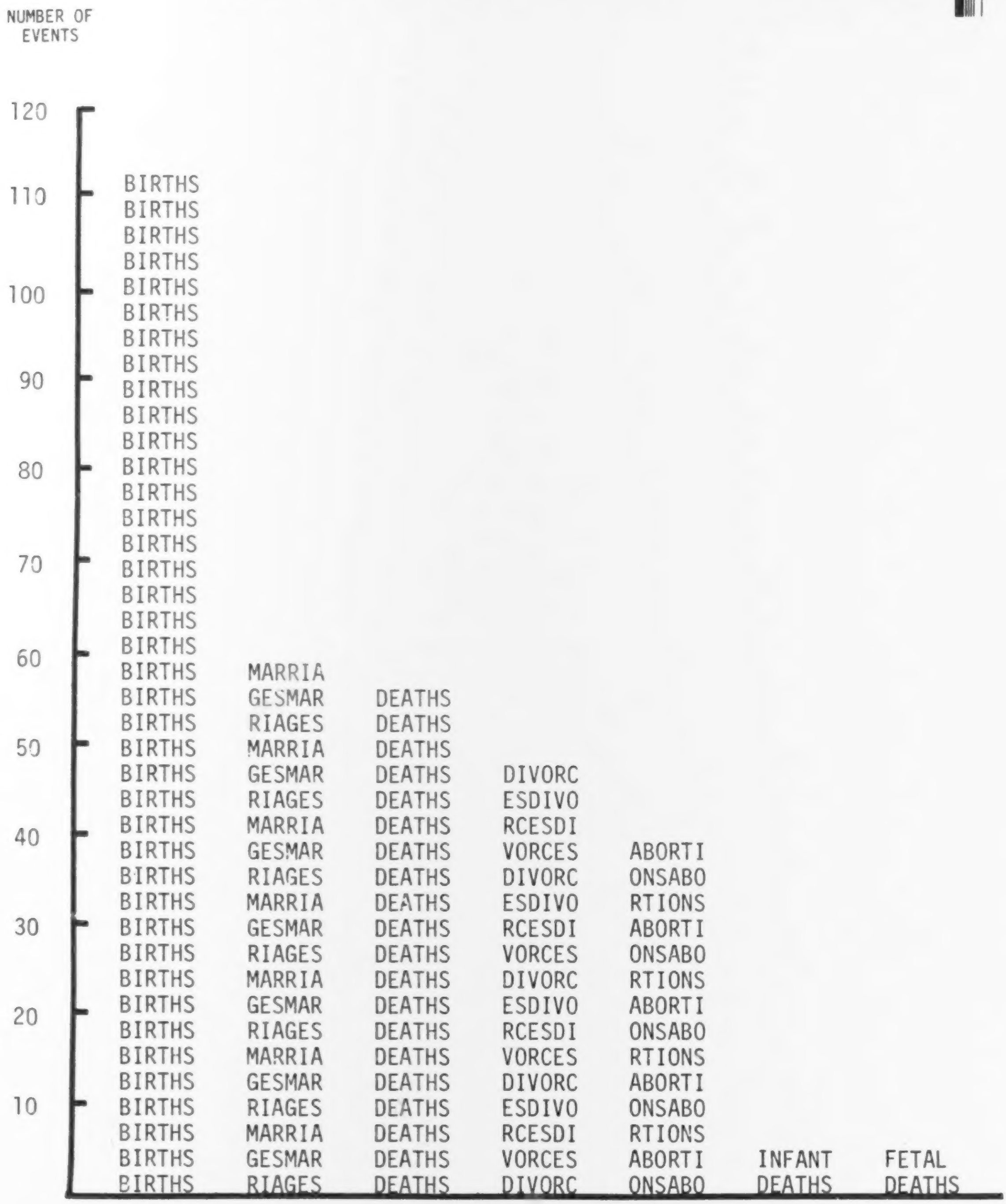


FIGURE 2.

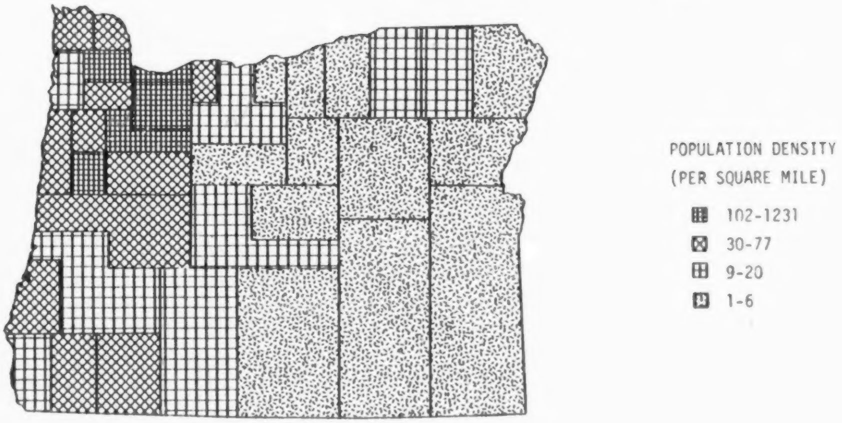
In a decade

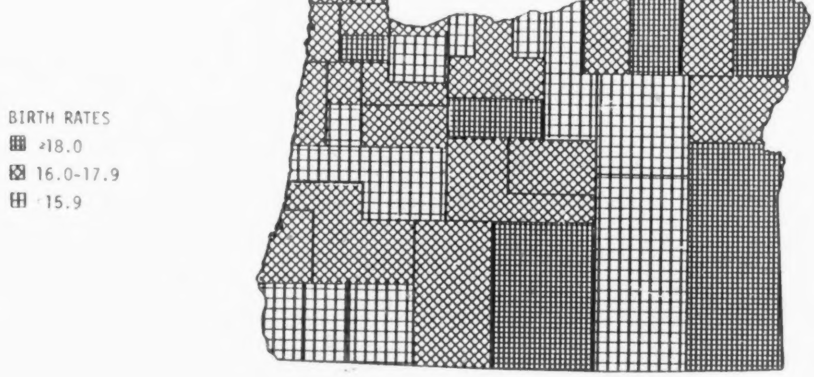
	1970	1980	
POPULATION	2,091,385	2,632,663	Oregon population increased 26% compared to 18% growth during the previous decade.
LIVE BIRTHS	16.9	16.4	The "baby boom" population began creating its own small "echo boom" during the decade. Even so the birth rate, which declined to a 40-year low of 13.9 in 1973, had not quite returned to the 1970 level by the end of the decade.
FERTILITY RATE	81.5	69.3	The fertility rate showed only modest gains in the late 70's and still remained 15% below the 1970 level by the end of the decade. Only the 30 to 39 year old group reached the 1970 rate by 1980.
ABORTIONS	16.6	25.3	1970 was the first full reporting year for abortions. The rate for women of childbearing age has increased by half over the decade.
DEATHS	9.3	8.3	The death rate, which had been fairly stable during the previous decade, registered a small decrease every year after 1973.
INFANT DEATHS	15.7	12.1	Although the infant death rate declined between 1970 and 1980, the improvements were in the neonatal category only. Infant deaths after 27 days have fluctuated slightly during the same period.
NEONATAL DEATHS	10.8	7.0	
POST NEONATAL DEATHS	4.9	5.1	
MARRIAGES	8.3	8.7	The marriage rate fluctuated during the decade between 8.2 and 8.8. About one-half of the marriages are now remarriages compared to one-fourth in 1970.
DIVORCES	4.6	6.7	The increase in the divorce rate which began in the 1960's continued through 1975. It then stabilized for the remainder of the decade.

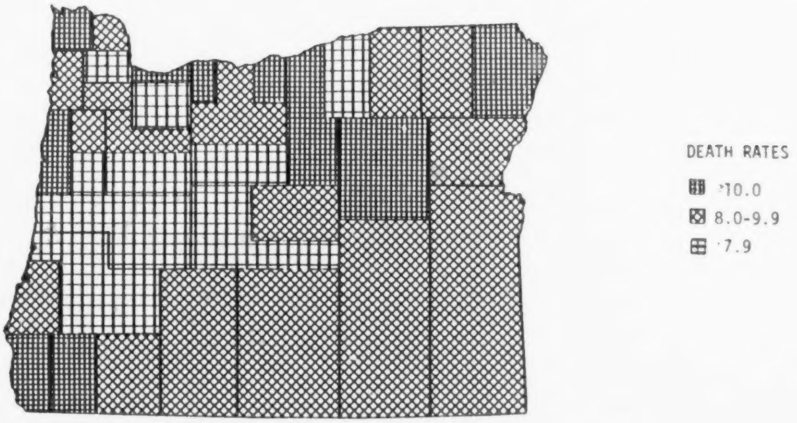
Birth, death, marriage and divorce rates per 1,000 population
Births to unwed mothers and infant, neonatal, post neonatal and maternal death rates per 1,000 live births
Abortion and fertility rates per 1,000 female population age 15-44

FIGURE 3.

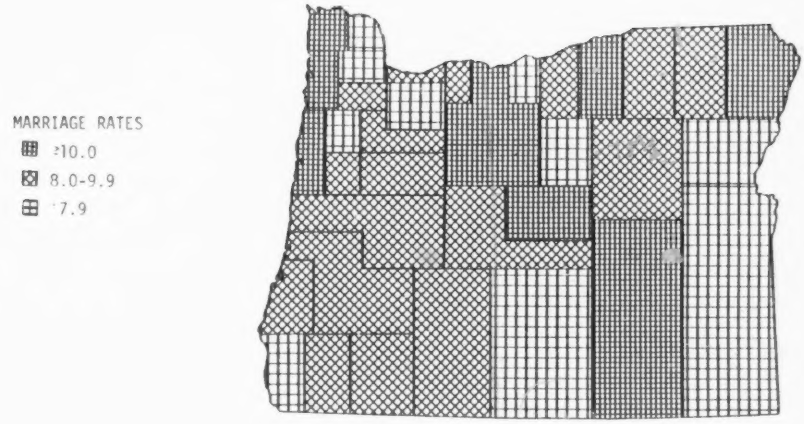
Oregon at


POPULATION DENSITY
(PER SQUARE MILE)
▦ 102-1231
▨ 30-77
⊞ 9-20
▩ 1-6

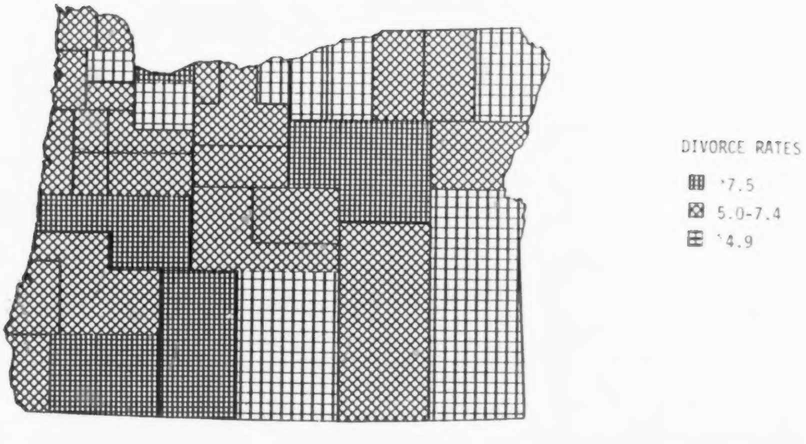

BIRTH RATES
▦ ≥18.0
▨ 16.0-17.9
⊞ ≤15.9


DEATH RATES
▦ ≥10.0
▨ 8.0-9.9
⊞ ≤7.9

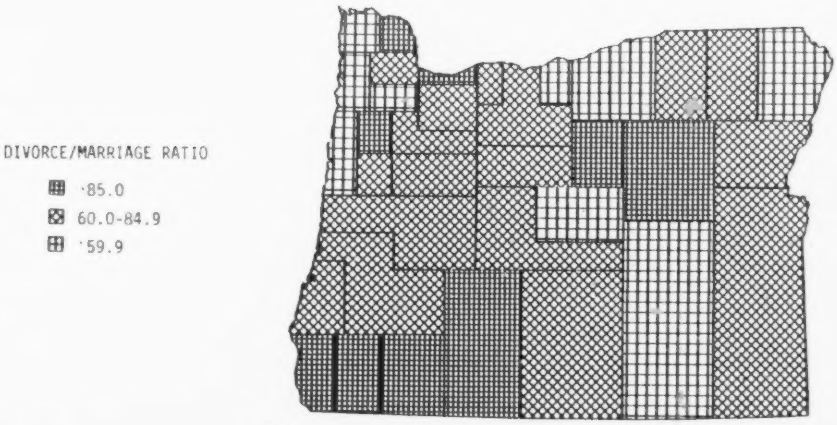
a glance



MARRIAGE RATES



DIVORCE RATES



DIVORCE/MARRIAGE RATIO

▦ ≥85.0
▩ 60.0-84.9
⊞ ≤59.9

TABLE 1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, MARRIAGES AND DISSOLUTION OF MARRIAGES, OREGON, 1908-1944

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Ratio	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1908	621,109	8,322	13.3	---	---	4,970	8.0	59	7.0	676	81.2	---	---	---	---	---	---	---	---
1909	647,055	8,656	13.3	---	---	5,470	8.4	70	8.0	756	80.7	---	---	---	---	4,863	7.5	---	---
1910	673,002	9,176	13.6	---	---	6,089	9.0	91	9.9	733	79.9	---	---	---	---	5,541	8.2	---	---
1911	684,847	9,562	13.8	---	---	6,360	9.2	91	9.5	753	78.7	---	---	---	---	6,846	9.9	---	---
1912	696,692	11,189	16.0	---	---	5,898	8.4	63	5.6	653	58.6	---	---	---	---	6,613	9.4	---	---
1913	708,537	11,033	15.5	---	---	6,714	9.4	60	5.4	684	61.9	---	---	---	---	5,382	7.5	---	---
1914	720,382	11,624	16.1	---	---	6,446	8.9	72	6.2	577	49.6	---	---	---	---	5,170	7.1	---	---
1915	732,226	12,232	16.7	---	---	6,718	9.1	74	6.0	583	47.6	---	---	---	---	4,983	6.8	---	---
1916	744,071	12,960	17.4	---	---	7,107	9.5	88	6.9	725	55.9	---	---	---	---	5,396	7.2	---	---
1917	755,916	13,147	17.4	---	---	7,349	9.7	87	6.6	837	63.6	---	---	---	---	6,196	8.2	---	---
1918	767,761	13,295	17.3	---	---	9.842	12.8	106	7.9	907	68.2	---	---	---	---	5,281	6.9	---	---
1919	779,606	13,638	17.5	---	---	8,881	11.4	101	7.9	845	61.9	---	---	---	---	6,605	8.5	---	---
1920	791,701	14,954	18.8	---	---	9,186	11.6	112	7.5	927	61.9	---	---	---	---	7,557	9.5	---	---
1921	808,325	15,607	19.3	---	---	8,324	10.2	117	7.5	791	50.6	---	---	---	---	7,643	9.4	---	---
1922	824,949	15,087	18.3	---	---	9,381	11.3	115	7.6	886	58.7	---	---	---	---	6,691	8.1	---	---
1923	841,573	14,992	17.8	---	---	8,983	10.6	103	6.9	853	56.9	---	---	---	---	7,151	8.4	---	---
1924	858,197	15,818	18.4	---	---	9,511	11.1	94	5.9	834	52.7	---	---	---	---	6,937	8.1	---	---
1925	874,800	15,579	17.8	---	---	9,596	10.9	95	6.1	787	50.5	---	---	---	---	6,999	8.0	---	---
1926	891,400	14,929	16.7	---	---	9,885	11.1	85	5.7	769	51.5	---	---	---	---	7,160	8.0	3,128	3.5
1927	908,100	14,637	16.1	---	---	10,222	11.2	91	6.2	693	47.3	---	---	---	---	7,392	8.1	3,149	3.5
1928	924,700	14,159	15.3	---	---	10,493	11.3	86	6.1	651	46.0	---	---	410	29.0	7,625	8.2	3,090	3.3
1929	941,300	13,244	14.1	---	---	10,680	11.3	75	5.7	633	47.7	---	---	415	31.4	8,243	8.7	3,197	3.4
1930	958,450	13,473	14.1	---	---	10,544	11.0	81	6.0	671	49.8	---	---	390	28.9	7,678	8.0	2,825	2.9
1931	967,200	13,227	13.7	---	---	10,245	10.6	61	4.6	578	43.7	---	---	360	27.2	7,346	7.6	2,417	2.5
1932	980,600	12,845	13.1	---	---	10,272	10.5	64	5.0	530	41.3	---	---	322	25.1	6,668	6.8	1,728	1.8
1933	994,000	12,228	12.3	---	---	10,450	10.5	64	5.2	493	40.3	---	---	329	26.9	5,715	5.7	1,844	1.9
1934	1,007,400	13,071	13.0	---	---	10,539	10.5	79	6.0	519	39.7	---	---	320	24.5	6,237	6.2	2,248	2.2
1935	1,020,800	13,143	12.9	---	---	11,429	11.2	72	5.5	537	40.8	---	---	300	22.8	6,795	6.7	2,304	2.3
1936	1,034,100	14,119	13.7	---	---	12,434	12.0	77	5.5	626	44.3	409	29.0	300	21.5	7,433	7.2	2,578	2.5
1937	1,047,500	15,495	14.8	---	---	12,369	11.8	56	3.6	649	41.9	415	26.8	340	22.4	7,602	7.3	2,718	2.6
1938	1,061,000	16,333	15.4	---	---	11,777	11.1	53	3.2	631	38.6	418	25.6	353	21.6	6,734	6.3	3,162	3.0
1939	1,074,000	16,727	15.6	---	---	11,779	11.0	43	2.6	580	34.7	381	22.8	322	19.3	4,902	4.6	3,422	3.2
1940	1,093,000	17,522	16.0	237	13.5	12,329	11.3	45	2.5	592	33.2	413	23.6	365	20.8	5,998	5.5	3,543	3.2
1941	1,107,000	18,784	17.0	229	12.2	12,123	10.9	43	2.3	589	30.7	397	20.9	333	17.7	7,445	6.7	4,122	3.7
1942	1,148,500	22,283	19.4	247	11.1	12,520	10.9	37	1.7	669	30.0	456	20.4	362	16.2	8,768	7.6	4,725	4.1
1943	1,167,200	25,380	21.7	328	12.9	13,440	11.5	37	1.5	776	30.6	466	18.4			9,272	7.9	5,643	4.8
1944	1,221,000	23,444	19.2	407	17.4	12,580	10.3	41	1.7	706	30.1	504	21.5	454	19.4	8,675	7.1	6,619	5.4

Birth, death, marriage and dissolution of marriage rates per 1,000 population; births to unwed mothers ratio, infant, neonatal and fetal death rate per 1,000 live births; maternal death ratio per 1,000 live births.

1910, 1920, 1930, 1940 Population are U.S. Census figures. All others are estimates.

TABLE 2. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, MARRIAGES AND DISSOLUTION OF MARRIAGES, OREGON, 1945-1980

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS 1/		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	1,227,200	23,339	19.0	504	21.6	12,325	10.0	29	124.3	660	28.3	473	20.3	402	17.2	9,764	8.0	7,949	6.5
1946	1,347,900	29,566	21.9	517	17.5	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4	14,674	10.9	10,241	7.6
1947	1,423,300	36,190	25.4	608	16.8	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5	12,881	9.1	6,707	4.7
1948	1,470,800	34,937	23.8	575	16.5	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5	12,373	8.4	6,405	4.4
1949	1,511,200	35,062	23.2	502	14.3	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9	10,746	7.1	6,274	4.2
1950	1,521,341	35,991	23.7	667	18.5	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7	11,300	7.4	5,943	3.9
1951	1,568,000	37,317	23.8	623	16.7	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3	10,118	6.5	6,133	3.9
1952	1,602,100	39,752	24.8	780	19.6	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6	9,998	6.2	6,311	3.9
1953	1,636,800	39,866	24.4	772	19.4	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1	10,502	6.4	6,373	3.9
1954	1,662,680	38,550	23.2	909	23.6	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3	9,567	5.8	6,130	3.7
1955	1,690,840	38,678	22.9	880	22.8	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8	10,632	6.3	6,158	3.6
1956	1,734,650	38,432	22.2	958	24.9	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1	10,568	6.1	5,827	3.4
1957	1,737,470	37,828	21.8	1,088	28.8	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2	9,961	5.7	5,261	3.0
1958	1,728,550	36,295	21.0	1,091	30.1	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3	9,896	5.7	5,452	3.2
1959	1,777,000	36,634	20.6	1,217	33.2	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8	10,166	5.7	6,009	3.4
1960	1,768,687	38,347	21.7	1,250	32.6	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9	10,590	6.0	5,711	3.2
1961	1,816,345	37,475	20.6	1,433	38.2	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1	10,798	5.9	6,023	3.3
1962	1,825,138	36,983	20.3	1,499	40.5	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5	11,122	6.1	6,074	3.3
1963	1,856,190	34,863	18.8	1,708	49.0	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8	11,786	6.3	6,180	3.3
1964	1,906,000	33,500	17.6	1,754	52.4	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0	12,297	6.5	6,486	3.4
1965	1,972,150	32,955	16.7	2,094	63.5	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8	13,252	6.7	6,219	3.2
1966	1,999,780	32,446	16.2	2,330	71.8	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9	13,981	7.0	6,764	3.4
1967	2,006,360	31,446	15.7	2,478	78.8	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6	14,401	7.2	7,603	3.8
1968	2,050,900	32,136	15.7	2,831	88.1	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4	16,125	7.9	8,258	4.0
1969	2,081,640	33,834	16.3	3,000	88.7	19,548	9.4	4	11.8	592	17.5	410	12.1	194	2/	16,874	8.1	8,643	4.2
1970	2,091,385	35,353	16.9	2,912	82.4	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7	17,302	8.3	9,583	4.6
1971	2,143,010	33,344	15.6	2,603	78.1	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2	18,100	8.4	10,687	5.0
1972	2,183,270	31,308	14.3	2,552	81.5	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5	19,265	8.8	11,706	5.4
1973	2,224,900	30,902	13.9	2,599	84.1	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1	19,661	8.8	12,382	5.6
1974	2,266,000	32,506	14.3	2,984	91.8	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2	20,002	8.8	13,538	6.0
1975	2,299,000	33,352	14.5	3,382	101.4	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5	19,322	8.4	15,526	6.8
1976	2,341,750	34,840	14.9	3,825	109.8	20,459	8.7	-	-	444	12.7	277	8.0	280	8.0	19,182	8.2	16,070	6.9
1977	2,396,100	37,467	15.6	4,596	122.7	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6	20,303	8.5	16,372	6.8
1978	2,472,000	38,964	15.8	5,279	135.5	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8	21,055	8.5	16,965	6.9
1979	2,544,000	41,564	16.3	5,599	134.7	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4	22,063	8.7	17,584	6.9
1980	2,632,663	43,091	16.4	6,360	147.6	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8	23,004	8.7	17,762	6.7

Birth, death, marriage and dissolution of marriage rates per 1,000 population; birth to unwed mothers ratio, infant, neonatal and fetal death rate per 1,000 live births; maternal death rate per 100,000 live births.

1950, 1960, 1970, 1980 population are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State Univ.
1/ The definition of fetal death is - the death of a fetus of "at least 20 weeks gestation". 2/ Incomplete total.

TABLE 3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, MARRIAGES AND DISSOLUTION OF MARRIAGES, U.S., 1945-1980

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	132,481,000	2,735,456	20.6	117,400	42.9	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9	1,612,992	12.2	485,000	3.5
1946	140,054,000	3,288,672	23.5	125,200	38.1	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8	2,291,045	16.4	610,000	4.3
1947	143,446,000	3,699,940	25.8	131,900	35.7	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1	1,991,878	13.9	483,000	3.4
1948	146,093,000	3,535,068	24.2	129,700	36.7	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6	1,811,155	12.4	408,000	2.8
1949	148,665,000	3,559,529	23.9	133,200	37.4	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8	1,579,798	10.6	397,000	2.7
1950	150,697,361	3,554,149	23.6	141,600	39.8	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2	1,667,231	11.1	385,144	2.6
1951	153,310,000	3,750,850	24.5	146,500	39.1	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8	1,594,694	10.4	381,000	2.5
1952	155,687,000	3,846,986	24.7	150,300	39.1	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3	1,539,318	9.9	392,000	2.5
1953	158,242,000	3,902,120	24.7	160,800	41.2	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8	1,546,000	9.8	390,000	2.5
1954	161,164,000	4,017,362	24.9	176,600	44.0	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5	1,490,000	9.2	379,000	2.4
1955	164,308,000	4,047,295	24.6	183,300	45.3	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1	1,531,000	9.3	377,000	2.3
1956	167,306,000	4,163,090	24.9	193,500	46.5	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5	1,585,000	9.5	382,000	2.3
1957	170,371,000	4,254,784	25.0	201,700	47.4	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3	1,518,000	8.9	381,000	2.2
1958	173,320,000	4,203,812	24.3	208,700	49.6	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5	1,451,000	8.4	368,000	2.1
1959	176,513,000	4,244,796	24.0	220,600	52.0	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2	1,494,000	8.5	395,000	2.2
1960	179,323,175	4,257,850	23.7	224,300	52.7	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1	1,523,000	8.5	393,000	2.2
1961	183,057,000	4,268,326	23.3	240,200	56.3	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1	1,548,000	8.5	414,000	2.3
1962	185,890,000	4,167,362	22.4	245,100	58.8	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9	1,577,000	8.5	413,000	2.2
1963	188,658,000	4,098,020	21.7	259,400	63.3	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8	1,654,000	8.8	428,000	2.3
1964	191,371,000	4,027,490	21.0	275,700	68.5	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4	1,725,000	9.0	450,000	2.4
1965	193,818,000	3,760,358	19.4	291,200	77.4	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2	1,800,000	9.3	479,000	2.5
1966	195,857,000	3,606,274	18.4	302,400	83.9	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7	1,857,000	9.5	499,000	2.5
1967	197,863,000	3,520,959	17.8	318,100	90.3	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6	1,927,000	9.7	523,000	2.6
1968	199,861,000	3,501,564	17.5	339,200	96.9	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8	2,069,000	10.4	584,000	2.9
1969	201,921,000	3,600,206	17.8	360,800	100.2	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1	2,145,000	10.6	639,000	3.2
1970	203,211,926	3,731,368	18.4	398,700	106.9	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2	2,158,802	10.6	708,000	3.5
1971	206,212,000	3,555,970	17.2	401,400	112.9	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4	2,190,481	10.6	773,000	3.7
1972	208,230,000	3,258,411	15.6	403,200	123.7	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7	2,282,154	11.0	845,000	4.1
1973	209,859,000	3,136,965	14.9	407,300	129.8	1,973,003	9.4	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2	2,284,108	10.9	915,000	4.4
1974	211,381,000	3,159,958	14.9	418,100	132.3	1,934,388	9.2	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5	2,229,667	10.5	977,000	4.6
1975	213,032,000	3,144,198	14.8	447,900	142.5	1,892,879	8.9	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7	2,152,662	10.1	1,036,000	4.9
1976	214,659,000	3,167,788	14.8	468,100	147.8	1,909,440	8.9	390	12.3	48,265	15.2	34,587	10.9	33,111	10.8	2,154,807	10.0	1,083,000	5.0
1977	216,300,000	3,326,632	15.4	515,700	155.0	1,899,597	8.8	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9	2,178,367	10.1	1,091,000	5.0
1978	217,700,000	3,333,279	15.3	543,900	163.2	1,927,788	8.8	321	9.6	45,945	13.8	31,618	9.5	---	---	2,282,272	10.5	1,130,000	5.2
1979	221,100,000	3,494,398	15.8	597,800	171.9	1,906,000	8.7	270	7.8	45,000	13.0	---	8.7	---	---	2,331,337	10.6	1,181,000	5.4
1980	226,504,825	3,598,000	16.2	---	---	1,986,000	8.9	250	6.9	45,000	12.5	---	8.4	---	---	2,413,000	10.9	1,182,000	5.3

Birth, death, marriage and dissolution of marriage rates per 1,000 population; births to unwed mothers ratio, infant, neonatal and fetal death rate per 1,000 live births; maternal death rate per 100,000 live births.

1950, 1960, 1970, 1980 Population are U.S. Census. All others are estimates of the population residing in the U.S.

TABLE 4. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, DEATHS, INFANT DEATHS, NEONATAL DEATHS AND FETAL DEATHS BY COUNTY OF RESIDENCE AND MARRIAGES AND DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE, OREGON, 1980

COUNTY OF RESIDENCE	CENSUS POPULATION 4/1/80	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	2,632,663	43,091	16.4	6,360	147.6	21,756	8.3	521	12.1	303	7.0	294	6.8	23,004	8.7	17,762	6.7
Baker	16,134	259	16.1	20	77.2	153	9.5	2	7.7	2	7.7	3	11.6	120	7.4	96	6.0
Benton	68,211	941	13.8	86	91.4	328	4.8	8	8.5	4	4.3	3	3.2	548	8.0	354	5.2
Clackamas	241,919	3,561	14.7	360	101.1	1,756	7.3	53	14.9	27	7.6	24	6.7	1,762	7.3	1,164	4.8
Clatsop	32,489	524	16.1	85	44.5	343	10.6	7	13.4	3	5.7	7	13.4	355	10.9	198	6.1
Columbia	35,646	607	17.0	89	146.6	302	8.5	5	8.2	4	6.6	6	9.9	237	6.6	235	6.6
Coos	64,047	1,061	16.6	179	168.7	581	9.1	13	12.3	7	6.6	6	5.7	632	9.9	452	7.1
Crook	13,091	220	16.8	24	109.1	109	8.3	2	9.1	1	4.5	1	4.5	173	13.2	82	6.3
Curry	16,992	256	15.1	25	97.7	170	10.0	1	3.9	-	-	3	11.7	132	7.8	113	6.6
Deschutes	62,142	1,048	16.9	124	118.3	423	6.8	16	15.3	8	7.6	8	7.6	547	8.8	433	7.0
Douglas	93,748	1,620	17.3	231	142.6	682	7.3	14	8.6	6	3.7	8	4.9	916	9.8	657	7.0
Gilliam	2,057	30	14.6	1	33.3	21	10.2	-	-	-	-	-	-	17	8.3	4	1.9
Grant	8,210	129	15.7	5	38.8	83	10.1	4	31.0	2	15.5	1	7.6	74	9.0	86	10.5
Harney	8,314	131	15.8	16	122.1	67	8.1	3	22.9	2	15.3	2	15.3	84	10.1	43	5.2
Hood River	15,835	246	15.5	36	146.3	165	10.4	3	12.2	2	8.1	-	-	135	8.5	104	6.6
Jackson	132,456	2,034	15.4	286	140.6	1,056	8.0	21	10.3	16	7.9	14	6.9	1,198	9.0	1,044	7.9
Jefferson	11,599	218	18.8	47	215.6	79	6.8	4	18.3	2	9.2	-	-	120	10.3	76	6.6
Josephine	58,820	912	15.5	173	189.7	593	10.1	12	13.2	8	8.8	7	7.7	482	8.2	469	8.0
Klamath	59,117	1,004	17.0	150	149.4	478	8.1	14	13.9	6	6.0	7	7.0	492	8.3	501	8.5
Lake	7,532	146	19.4	22	150.7	61	8.1	3	20.5	3	20.5	1	6.8	54	7.2	37	4.9
Lane	275,226	4,324	15.7	617	142.7	1,802	6.5	42	9.7	26	6.0	26	6.0	2,612	9.5	2,152	7.8
Lincoln	35,264	564	16.0	90	159.6	386	10.9	8	14.2	7	12.4	7	12.4	413	11.7	186	5.3
Linn	89,495	1,525	17.0	227	148.9	697	7.8	18	11.8	8	5.2	7	12.6	827	9.2	628	7.0
Malheur	26,896	556	20.7	44	79.1	223	8.3	5	9.0	5	9.0	4	7.2	211	7.8	129	7.8
Marion	204,692	3,637	17.8	572	157.3	1,781	8.7	51	14.0	33	9.1	31	8.5	1,881	9.2	1,188	5.8
Morrow	7,519	131	17.4	15	114.5	49	6.5	2	15.3	2	15.3	-	-	83	11.0	33	4.4
Multnomah	562,640	9,110	16.2	1,932	212.1	5,941	10.6	124	13.6	72	7.9	67	7.4	5,083	9.0	4,654	8.3
Polk	45,203	740	16.4	91	123.0	382	8.5	11	14.9	5	6.8	3	4.1	295	6.5	285	6.3
Sherman	2,172	31	14.3	4	129.0	28	12.9	-	-	-	-	-	-	13	6.0	2	0.9
Tillamook	21,164	339	16.0	54	159.3	194	9.2	2	5.9	2	5.9	1	3.0	226	10.7	116	5.5
Umatilla	58,861	1,174	19.9	172	146.5	492	8.4	16	13.6	7	6.0	11	9.4	505	8.6	413	7.0
Union	23,921	418	17.5	38	90.9	221	9.2	6	14.4	3	7.2	1	2.4	209	8.7	150	6.3
Wallowa	7,273	133	18.3	12	90.2	84	11.6	-	-	-	-	-	-	78	10.7	30	4.1
Wasco	21,732	371	17.1	51	137.5	194	8.9	4	10.8	3	8.1	3	8.1	236	10.9	155	7.1
Washington	245,401	4,029	16.4	359	89.1	1,358	5.5	40	9.9	22	5.5	20	5.0	1,744	7.1	1,182	4.8
Wheeler	1,513	16	10.6	-	-	20	13.2	-	-	-	-	2	125.0	11	7.3	12	7.9
Yamhill	55,332	1,046	18.9	123	117.6	454	8.2	7	6.7	5	4.8	10	9.6	499	9.0	299	5.4

Birth, death, marriage and dissolution of marriage rates per 1,000 population; births to unwed mothers ratio, infant,neonatal and fetal death rate per 1,000 live births.

TABLE 5. POPULATION, BIRTHS AND DEATHS BY CITY OF RESIDENCE, OREGON, 1980

CITY OF RESIDENCE	CENSUS POPULATION	BIRTHS		DEATHS	
		Number	Rate	Number	Rate
Albany (Linn, Benton)	26,546	553	20.8	230	8.7
Ashland (Jackson)	14,943	207	13.9	113	7.6
Beaverton (Washington)	30,582	801	26.2	260	8.5
Bend (Deschutes)	17,263	354	20.5	142	8.2
Coos Bay (Coos)	14,424	316	21.9	144	10.0
Corvallis (Benton)	40,960	549	13.4	211	5.2
Eugene (Lane)	105,624	1,521	14.4	720	6.8
Forest Grove (Washington)	11,499	222	19.3	122	10.6
Grants Pass (Josephine)	14,997	302	20.1	222	14.8
Gresham (Multnomah)	33,005	593	18.0	220	6.7
Hillsboro (Washington)	27,664	608	22.0	167	6.0
Klamath Falls (Klamath)	16,661	335	20.1	209	12.5
LaGrande (Union)	11,354	219	19.3	122	10.7
Lake Oswego (Mult., Clack., Wash.)	22,868	267	11.7	170	7.4
McMinnville (Yamhill)	14,080	256	18.2	140	9.9
Medford (Jackson)	39,603	781	19.7	399	10.1
Milwaukie (Clackamas)	17,931	508	28.3	355	19.8
Oregon City (Clackamas)	14,673	392	26.7	182	12.4
Pendleton (Umatilla)	14,521	248	17.1	147	10.1
Portland (Mult., Clack., Wash.)	366,383	6,806	18.6	4,742	12.9
Roseburg (Douglas)	16,644	338	20.3	202	12.1
Salem (Marion, Polk)	89,233	1,812	20.3	997	11.2
Springfield (Lane)	41,621	960	23.1	261	6.3
The Dalles (Wasco)	10,820	203	18.8	126	11.6
Tigard (Washington)	14,286	280	19.6	138	9.7
West Linn (Clackamas)	12,956	195	15.1	61	4.7
Woodburn (Marion)	11,196	239	21.3	159	14.2

Cities of 10,000 or more population listed.
Counties listed in parenthesis.
All rates per 1,000 population
Population Source: April 1, 1980 U.S. Census

POPULATION

POPULATION, 1980

Population data are essential for interpreting vital events. The number of people who are available to have babies, to get married, to obtain a divorce, to contract a disease, and finally to die, greatly affects how many of these events occur. The probabilities of these occurrences are also altered by the age, sex and racial composition of the population. And finally, the location of these events is affected by the uneven distribution of the population throughout the state. 1980 was a census year which means the information necessary to examine the long-range trends in our vital statistics is available. The presentation of the birth, death, communicable disease, marriage and divorce data must be preceded by a description of the changes in our population size and structure.

POPULATION GROWTH

Between the 1970 and 1980 censuses Oregon's population increased by approximately 541,000 people or 26%. The 2,632,663 people counted on April 1, 1980, placed us thirtieth among the rankings of states by size (between Mississippi and Arizona). But the decade's population growth was not evenly distributed throughout the state. Deschutes led the counties by more than doubling in size, and Morrow, Josephine and Washington counties all showed more than 50% growth during the ten years. However, Gilliam and Wheeler counties both lost population. Multnomah remained the largest county despite only 1.4% growth. Eugene gained more people than any other city (26,596) for a growth figure of 34%. Gresham was second with 22,975 additional people which more than tripled the city's size. Portland remained the largest city in the state even with a population loss of nearly four percent. Oregon's population remained highly concentrated in the west. Benton, Clackamas, Marion, Multnomah and Washington are the most densely populated counties and account for about 50% of the state's population. (Figure 6)

NATURAL INCREASE VERSUS MIGRATION

Population growth has two components. First, natural increase is simply a result of more births occurring than deaths. The second component, net migration, is the difference between the number of people who move into the state and the people who leave the state. Between 1970 and 1980, almost three-fourths of our 26% increase was due to this second factor. The net increase for Oregon from migration was 394,420 people.

Who are these people migrating to Oregon? Both sexes and all age groups are represented, but the majority are young adults. More migrants were in the 20 to 24 age bracket than in any other category, followed by the 15 to 19 group. The third largest age category was for children under five. This age pattern suggests that many of our migrants were families with young children. It is apparent that using birth data alone will not be sufficient for predicting school enrollments for at least the next few years.

CHANGES IN AGES

The changes in both the number of births and the likelihood of death throughout this century have resulted in some dramatic changes in the age composition of our population. The population pyramids (which incidently have not really been pyramids for years) demonstrate the recent changes (Figure 4).

Comparing 1950 to 1980 the most obvious change is the aging of the baby-boom generation. The broad-bottomed pyramids of 1950 and 1960 -- with lots of children under age 14 -- have given way to a bulge of young adults. The first wave of this boom is now in the 30-to-34 year old bracket. In addition, the small number of babies born during the depression years of the 1930's has resulted in only a small proportion of our current population accounted for by people in their forties and fifties. The pyramid has also become more top heavy. In 1950 9% of the population was 65 or more years of age. In 1980 the figure was 12%. And finally, the bottom of the pyramid widened again as the baby-boomers began having their own families in the late 1970's.

SEX AND RACE CHANGES

Changes in the sex ratio of the population have also occurred, although much more slowly. The slight edge held by males in 1950 was reversed by 1960 as a result of females' greater longevity. The large number of male in-migrants has decreased the female advantage since 1970. (Table 6)

The nonwhite population has increased as a proportion of the population, but caution must be exercised with this category of census data. Blacks increased slightly between 1970 and 1980, from 1.3% to 1.4% of the population. The proportion of Indians showed greater gains -- from .6% to 1.0%. But, the "other" category leaped from .9% to 3.0%. Although some of the increase is a result of the influx of Indochinese refugees, much of the increase resulted from the Census Bureau's changes in classifying races.

POPULATION ESTIMATES

A note about population estimates is necessary before leaving this subject. At the national level the 1979 estimates of the number of people in the United States were too low, and therefore any rates calculated from these figures were too high. Since the 1980 figures were accurate the changes in population-based rates between 1979 and 1980 will be distorted. At the state level the estimates of the total population were considerably more accurate; the 1979 crude birth and death rates are only about one-half of one percent too high. However, the age and sex distributions of the population were less accurate. Establishing trends with at least five years data is advisable.

FIGURE 4. POPULATION DISTRIBUTION BY PERCENTAGE WITHIN AGE-GROUPS, BY SEX, OREGON, 1950, 1960, 1970, 1980

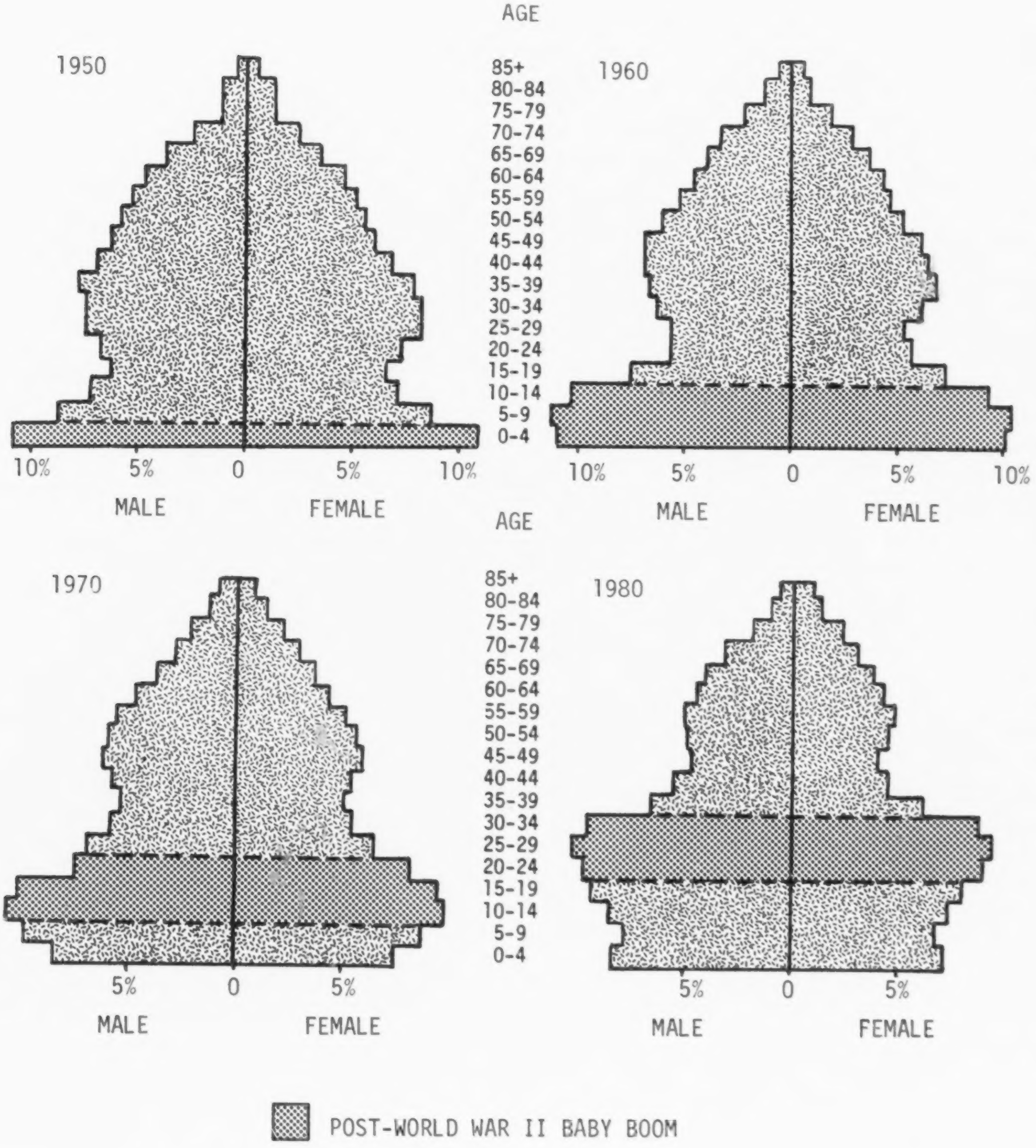


TABLE 6. POPULATION CHANGE BETWEEN CENSUSES BY SEX, OREGON, 1970, 1980

AGE GROUP	TOTAL		MALE		FEMALE	
	Number	Percent	Number	Percent	Number	Percent
TOTAL	541,278	25.88	272,403	26.60	268,875	25.19
0 - 4	33,891	20.66	17,979	21.45	15,912	19.83
5 - 9	-5,052	-2.60	-2,309	-2.33	-2,743	-2.89
10 - 14	-8,733	-4.14	-4,070	-3.78	-4,668	-4.50
15 - 19	22,452	11.04	13,738	13.61	8,714	8.51
20 - 24	75,150	46.21	42,251	55.93	32,899	37.78
25 - 29	114,494	82.38	58,040	84.33	56,454	80.47
30 - 34	111,966	96.86	57,307	99.21	54,659	94.51
35 - 39	62,862	58.30	33,309	63.16	29,553	53.64
40 - 44	15,151	12.85	9,283	16.06	5,868	9.75
45 - 49	-5,146	-4.14	-1,459	-2.42	-3,687	-5.76
50 - 54	5,348	4.49	1,793	3.06	3,555	5.88
55 - 59	19,147	17.29	7,425	13.60	11,722	20.87
60 - 64	23,268	24.65	10,222	22.31	13,046	26.84
65 - 69	29,564	39.11	13,401	37.34	16,163	40.70
70 - 74	19,046	31.57	8,448	31.34	10,598	31.76
75 - 79	11,064	25.00	3,801	20.06	7,263	28.09
80 - 84	7,094	25.43	1,553	13.81	5,541	33.28
85 +	9,717	51.92	1,691	23.60	8,026	69.50

Negative numbers indicate a decrease in population.

FIGURE 5. BIRTH, DEATH AND NATURAL INCREASE RATES, OREGON, 1945-1980

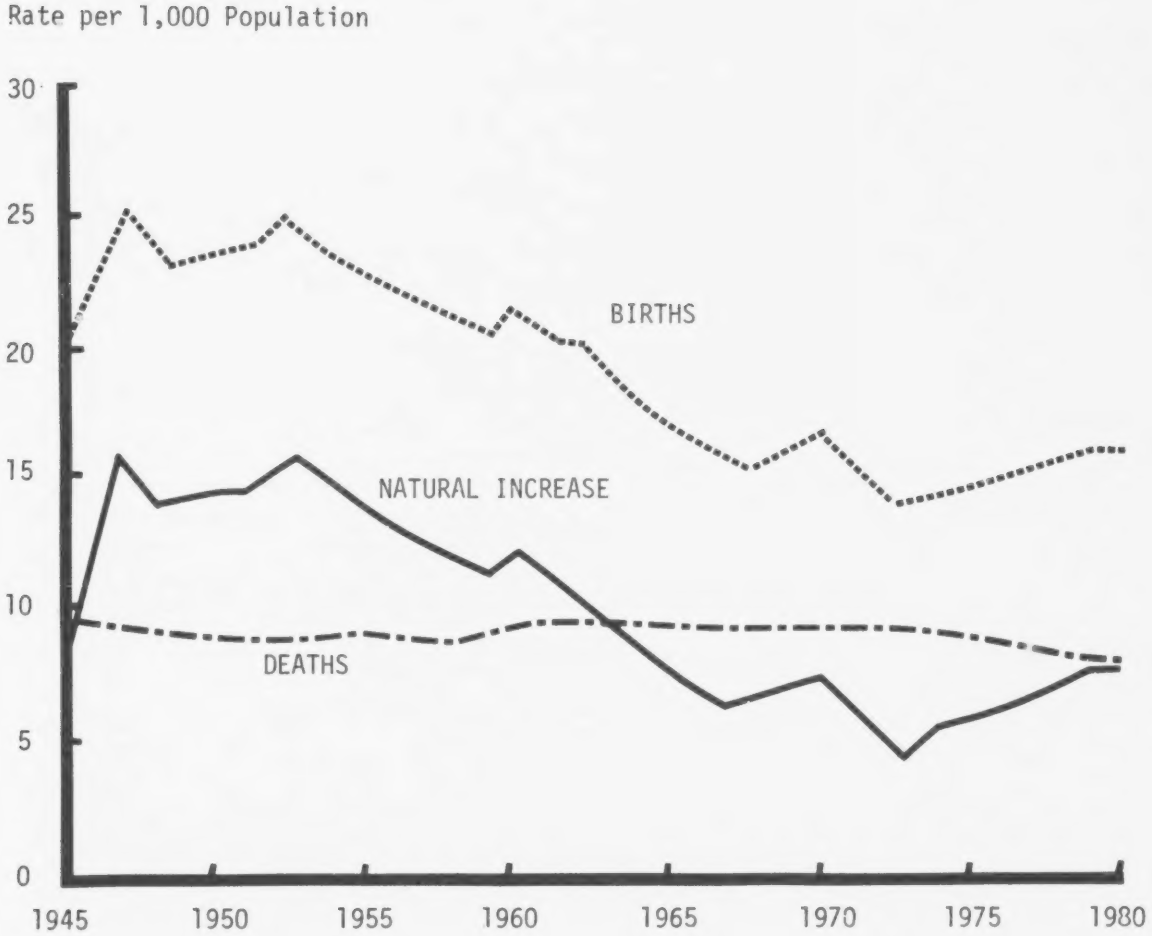


FIGURE 6. OREGON POPULATION CHANGE BY COUNTY, 1970-1980

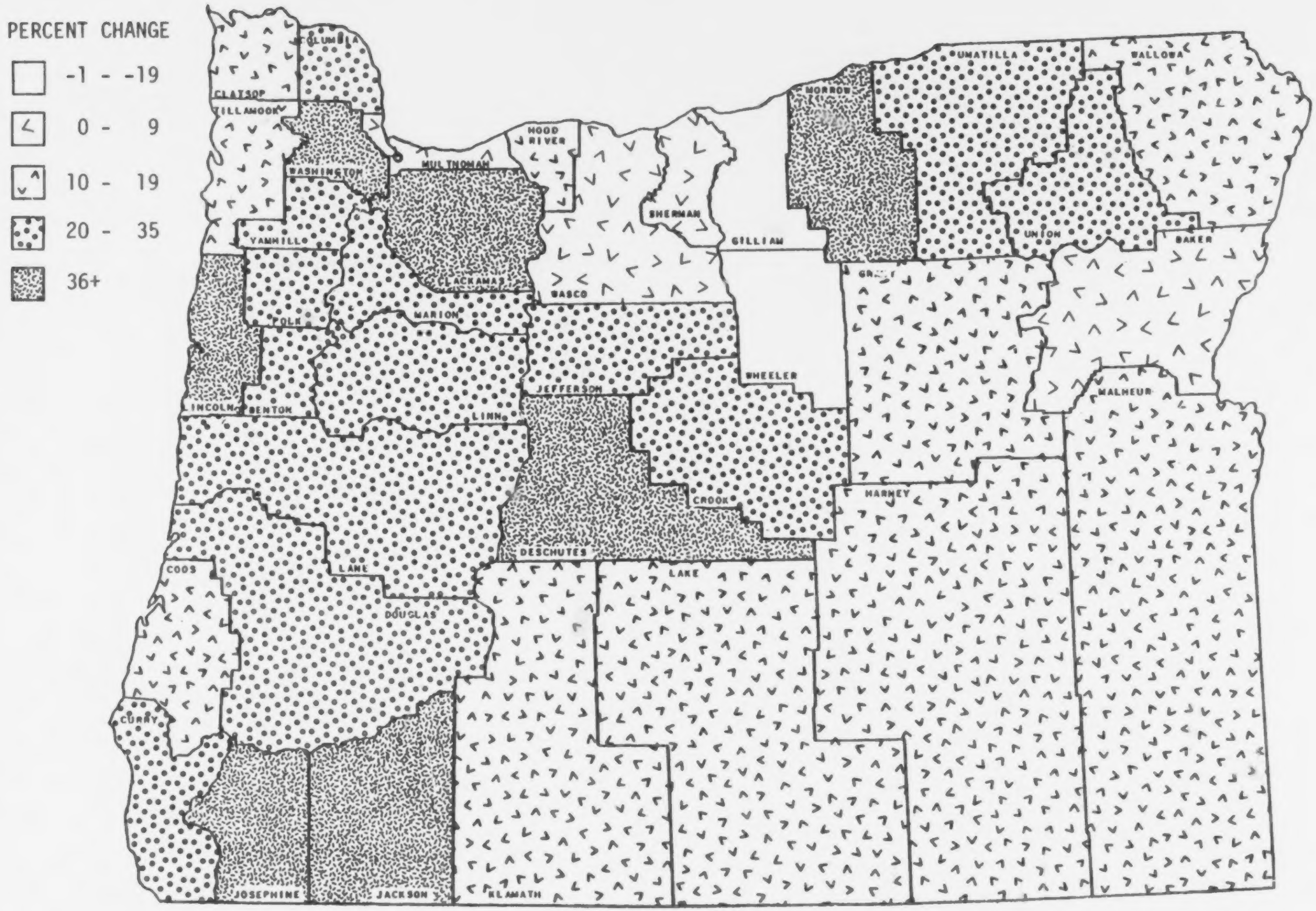

PERCENT CHANGE
-1 - -19
0 - 9
10 - 19
20 - 35
36+
CLATSOP
COLUMBIA
TILLAMOOK
WASHINGTON
MULTNOMAH
HOOD RIVER
SHERMAN
GILLIAM
MORROW
UMATILLA
WALLOWA
UNION
BAKER
YAMHILL
CLACKAMAS
MARION
POLK
WASCO
LINCOLN
BENTON
LINN
JEFFERSON
WHEELER
GRANT
MALHEUR
CROOK
DESCHUTES
HARNEY
LANE
COOS
DOUGLAS
LAKE
CURRY
JOSEPHINE
JACKSON
KLAMATH

TABLE 7 POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1940, 1950, 1960, 1970, 1975-1980

YEAR & SEX	TOTAL	AGE GROUPS																
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1940	1,089,684	76,109	73,209	81,987	92,358	90,502	91,166	83,859	77,565	75,718	75,091	70,939	60,071	48,382	37,085	26,650	25,175 1/		3,818
Male	562,689	38,837	37,306	41,685	46,379	45,254	46,463	43,013	39,466	39,022	39,281	38,139	32,744	26,077	19,668	14,274	13,232 1/		1,849
Female	526,995	37,272	35,903	40,302	45,979	45,248	44,703	40,846	38,099	36,696	35,810	32,800	27,327	22,305	17,417	12,376	11,943 1/		1,969
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095	34,979 1/		6,492
Male	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085	17,143 1/		3,001
Female	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010	17,836 1/		3,491
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734	34,274	17,713	9,449
Male	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175	16,407	7,935	3,838
Female	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559	17,867	9,778	5,611
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321	44,263	27,900	18,714
Male	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956	18,946	11,249	7,166
Female	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365	25,317	16,651	11,548
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077	48,381	31,022	18,194
Male	1,120,178	85,331	89,859	107,668	114,204	108,866	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622	19,879	11,966	6,562
Female	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455	28,502	19,056	11,632
1976	2,341,750	172,424	175,344	209,303	226,690	229,608	190,936	160,657	128,823	116,345	120,577	126,254	119,290	108,763	89,328	67,880	49,383	31,706	18,439
Male	1,143,803	88,143	89,456	106,720	115,506	113,285	89,543	79,900	64,416	56,927	58,761	60,694	57,565	51,978	41,610	30,365	20,234	12,124	6,576
Female	1,197,947	84,281	85,888	102,583	111,184	116,323	101,393	80,757	64,407	59,418	61,816	65,560	61,725	56,785	47,718	37,515	29,149	19,582	11,863
1977	2,396,100	179,795	175,649	206,981	228,350	236,061	202,618	169,247	135,742	119,006	120,417	126,533	121,162	110,794	91,997	69,983	50,500	32,445	18,820
Male	1,170,016	91,918	89,616	105,526	116,468	117,110	95,706	83,323	67,909	58,406	58,661	60,810	58,223	52,781	42,734	31,216	20,669	12,298	6,642
Female	1,226,084	87,877	86,033	101,455	111,882	118,951	106,912	85,924	67,833	60,600	61,756	65,723	62,939	58,013	49,263	38,767	29,831	20,147	12,178
1978	2,472,000	191,405	179,233	206,478	231,143	241,353	217,906	182,004	145,922	124,002	120,688	126,506	123,112	112,545	94,626	71,986	51,100	32,763	19,227
Male	1,207,195	97,767	91,305	105,112	117,886	120,554	103,730	88,303	72,747	61,020	58,722	60,815	58,979	53,507	44,054	32,229	21,178	12,437	6,848
Female	1,264,805	93,638	87,928	101,366	113,257	120,799	114,176	93,701	73,175	62,982	61,966	65,691	64,133	59,038	50,572	39,757	29,922	20,326	12,379
1979	2,544,000	204,020	181,640	202,110	231,490	247,390	233,900	192,190	155,310	129,100	121,090	126,300	125,540	114,600	97,810	74,920	52,920	33,700	19,970
Male	1,241,920	104,170	92,600	102,900	117,910	124,010	113,070	92,090	77,590	63,850	58,890	60,800	59,910	54,180	45,280	33,200	21,880	12,590	7,000
Female	1,302,080	99,850	89,040	99,210	113,580	123,380	120,830	100,100	77,720	65,250	62,200	65,500	65,630	60,420	52,530	41,720	31,040	21,110	12,970
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367	55,327	34,994	28,431
Male	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404	22,747	12,802	8,857
Female	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	44,878	43,963	32,580	22,192	19,574

1/ Includes ages 75-84

1940, 1950, 1960, 1970, 1980 Population are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State Univ.

NATALITY

USING BIRTH DATA

School planners and diaper services are among the many people who are interested in the number of births which occur each year. Programs which provide health services to mothers and infants are especially interested in the outcomes of births, such as the proportion of infants with a low birthweight and the number of mothers with risk factors. And finally, the rates of reproduction are critical demographic tools for estimating our population.

LIVE BIRTHS A live birth is a product of conception which shows any evidence of life after expulsion or extraction from the mother. Births are *not* the same as pregnancies because pregnancies can have other outcomes, namely induced abortion and fetal death. These events are treated together in the pregnancy section of this report.

BIRTHWEIGHT Babies weighing 2500 grams (5-1/2 pounds) or less are considered *low birth weight* infants. Those weighing 1500 grams or less are considered *extremely immature*. Because these infants have a higher risk of morbidity and mortality, the proportion of infants in these categories is an important indicator of health status.

MATERNAL RISK FACTORS Several characteristics of mothers have been shown to be associated with low birthweight and a higher incidence of morbidity and mortality for both mother and infant. The percent of mothers in the following categories is important: mothers under 18 or over 34, with less than a twelfth-grade education, with only third trimester or no prenatal care, with four or more previous births, with a previous birth within a year, and those who are either non-white or unmarried.

RACE Infants whose parents are of mixed races are counted in the non-white race, or if both parents are non-white, in the father's race category. An exception is made if either parent is Hawaiian, in which case the child is considered Hawaiian.

BIRTH ORDER Live birth order indicates the number of previous live born infants which the mother has had. It does not consider previous abortions or fetal deaths. The mother's pregnancy history provides information about family size, and first births reflect the number of new families begun each year.

CONGENITAL ANOMALIES Birth defects, called congenital anomalies, vary in severity, but often indicate a need for further health services. Because birth certificates are filed shortly after birth, the types of anomalies which are not immediately obvious are underreported.

POPULATION BASED RATES

The *birth rate* (sometimes called the *crude birth rate*) is the number of births per 1,000 population. The *fertility rate* makes the figure specific to the number of women of childbearing age (births per 1,000 women aged 15-44). But the *age specific birth rates* are the most detailed indicators of changes in childbearing patterns (the number of births to mothers in each age group per 1,000 women in that age group). Comparing many different age-specific rates can be cumbersome so these are summarized into one number called the *total fertility rate* (add up the age specific rates and multiply by the width of the age group intervals which is usually 5). This last figure indicates the theoretical number of babies who would be born to 1,000 women as these women passed through their reproductive years. A total fertility rate of 2,100 is considered population replacement level.

NATALITY, 1980

RECORD NUMBER OF BIRTHS

The most striking news about the live births in 1980 is the number of them. A new record was set when 43,091 infants were born to Oregon residents. This increase seems all the more pronounced because the lowest number of births since World War II occurred just seven years earlier. The 1980 birth figure represents a 39% increase over the low point in 1973.

Does this herald a major change in family size and childbearing patterns? Not really. The explanation for the large number of births is simply that we have a much larger population of women who are in their peak reproductive years. The total fertility rate of 1829 for 1980 is actually quite low. It is 13% lower than the 1970 rate and less than half the rates of the peak baby boom years. This phenomenon is sometimes called an echo boom -- the marked increase in the fertility rates of the 1950's has resulted in a large number of potential parents in the 1980's (Figure 7).

OLDER MOTHERS

Although this echo boom was predicted by demographers, it has been slightly delayed. The median age of mothers having their first child, which was 21.4 in 1970, increased to 22.9 in 1980. For all births, the age-specific rates for teens, for women in their twenties, and for women over 35 have increased slightly in the late seventies but still remain well below the 1970 levels. But the birth rate of 57.8 for women between the ages of 30 and 34 is a 23% increase over 1975 and now nearly equals the 1970 rate. The increase in childbearing by older women combined with the aging population has resulted in a shift in the proportion of births which occur in each age category. The majority of babies now have mothers over 25 years old -- 52% compared to 42% in 1970. The proportion of births to teenage mothers has dropped from 17% to 13%. The proportion of births to mothers over 30 has increased from 14% to 19% (Figure 8).

SIZE OF FAMILIES

The decline in the fertility rate since 1960 is largely due to smaller families, rather than fewer families. The rate for first births has shown virtually no change during the past twenty years while the rate for second births has declined by almost a third. Third births have declined by more than half, and fourth or more births are down by three-fourths (Figure 9).

BIRTHS TO UNWED MOTHERS

The pronounced increase in both the number and the proportion of births to unwed mothers continued in 1980 after a brief plateau in 1979. The 1980 ratio of unwed births to all births was 147.6. This is a 10% increase over 1979 and a 79% increase since 1970. Teenagers have always had a large number of unwed births; in 1980, four in ten infants of teenagers were born out of wedlock. But the likelihood that a mother was not married has increased more dramatically in the older age groups.

The percent of mothers in their twenties who were unwed increased by more than half in five years, from 7% in 1975 to 11% in 1980 (Figure 10).

In these days of diverse living arrangements, whether or not a mother has a marriage certificate certainly does not directly affect her infant's health. In the past, much of the explanation for unsatisfactory morbidity and mortality rates for out-of-wedlock births has been attributed to the fact that most unwed mothers were teenagers. But the aging population combined with the increased tendency for older mothers to be unmarried has changed the distribution considerably. In 1970 over half (55%) of the births to unwed mothers were to teenagers. In 1980 only 40% were in this age category. The relationship between marital status and health warrants further examination.

NON-WHITE BIRTH RATES

The proportion of births to non-whites increased throughout the seventies from 4.6% to 6.2% of all births. The 1980 census data indicates that most, but not all, of the increase is the result of a larger non-white population rather than an increase in birth rates. While the birth rate for whites declined modestly from 16.6 to 16.1 during the decade, the birth rate for Indians decreased by more than a third to 25.3 births per 1,000 population. The rate for non-whites other than blacks and Indians (15.7) decreased by one-fourth, and was slightly below the rate for whites by 1980. However, the rate for blacks increased by 5% during the same time period. The 1980 birth rate for blacks of 27.1 is 68% greater than the rate for whites (Figure 12).

MATERNAL RISK FACTORS AND LOW BIRTHWEIGHT

The changes in race and age are emphasized for an important reason: the relationship between these high risk categories and the proportion of low birthweight infants has important health implications. Although overall the proportion of small infants has decreased slightly during the past ten years, the same decrease has not occurred for blacks, Indians, other non-whites, and teenagers. In 1980 a teenager was one-and-two-thirds times as likely to deliver a low birthweight infant as a 20 to 34-year-old mother (69.6 versus 47.0). The black rate of 104.5 was more than double the white rate (48.0), and the Indian rate (78.3) was just under one-and-two-thirds times the white rate. (Figure 13).

OUT OF HOSPITAL BIRTHS

For the second year in a row the proportion of births occurring out of hospitals has declined slightly although the actual number of these births has remained stable for the past three years. But during the same period, the percent of births delivered by certified nurse midwives, registered nurses, lay-midwives, naturopaths, and chiropractors has increased. Deliveries by physicians have dropped slightly, and non-medical persons are delivering 30% fewer infants than in 1978. Of the 1,679 non-hospital deliveries in 1980, 404 births were attended by naturopaths and chiropractors, followed by lay midwives (377), Certified Nurse Midwives (305), M.D.'s (311), and other non-medical persons (247). (Figure 11)

FIGURE 7. NUMBER OF LIVE BIRTHS AND TOTAL FERTILITY RATES, OREGON, 1940-1980

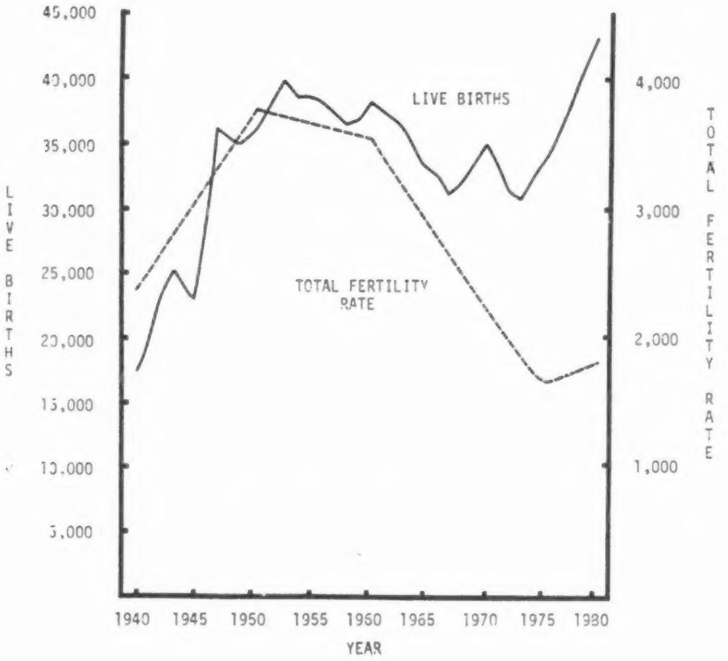


TABLE 8. AGE SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY RATES, OREGON, 1940, 1950, 1960, 1970, 1975-1980

Year	Total Fertility Rates	Fertility Rates	Age Specific Birth Rates					
			15-19	20-24	25-29	30-34	35-39	40-44
1940	2,009	69.4	46.2	132.8	114.1	68.0	31.7	9.0
1950	3,228	108.3	92.9	223.0	169.5	100.9	46.7	12.6
1960	3,588	112.5	88.2	283.8	189.3	96.3	46.3	13.7
1970	2,256	81.5	58.9	167.5	139.4	58.3	21.7	5.4
1975	1,677	64.5	47.2	112.4	111.6	47.0	14.4	2.8
1976	1,692	65.1	48.3	110.9	112.3	49.4	14.5	3.0
1977	1,762	67.6	47.4	116.3	114.9	55.0	15.8	2.9
1978	1,757	67.3	49.3	115.1	111.3	56.8	16.1	2.8
1979	1,808	69.0	48.8	117.1	114.7	61.0	16.9	3.0
1980	1,830	69.3	50.9	124.3	112.9	57.8	17.2	2.8

Rates are per 1,000 female population within the specific age group.
Births to mothers under 15 and over 44 were not included.

FIGURE 8.   AGE-SPECIFIC BIRTH RATES, OREGON, 1940-1980

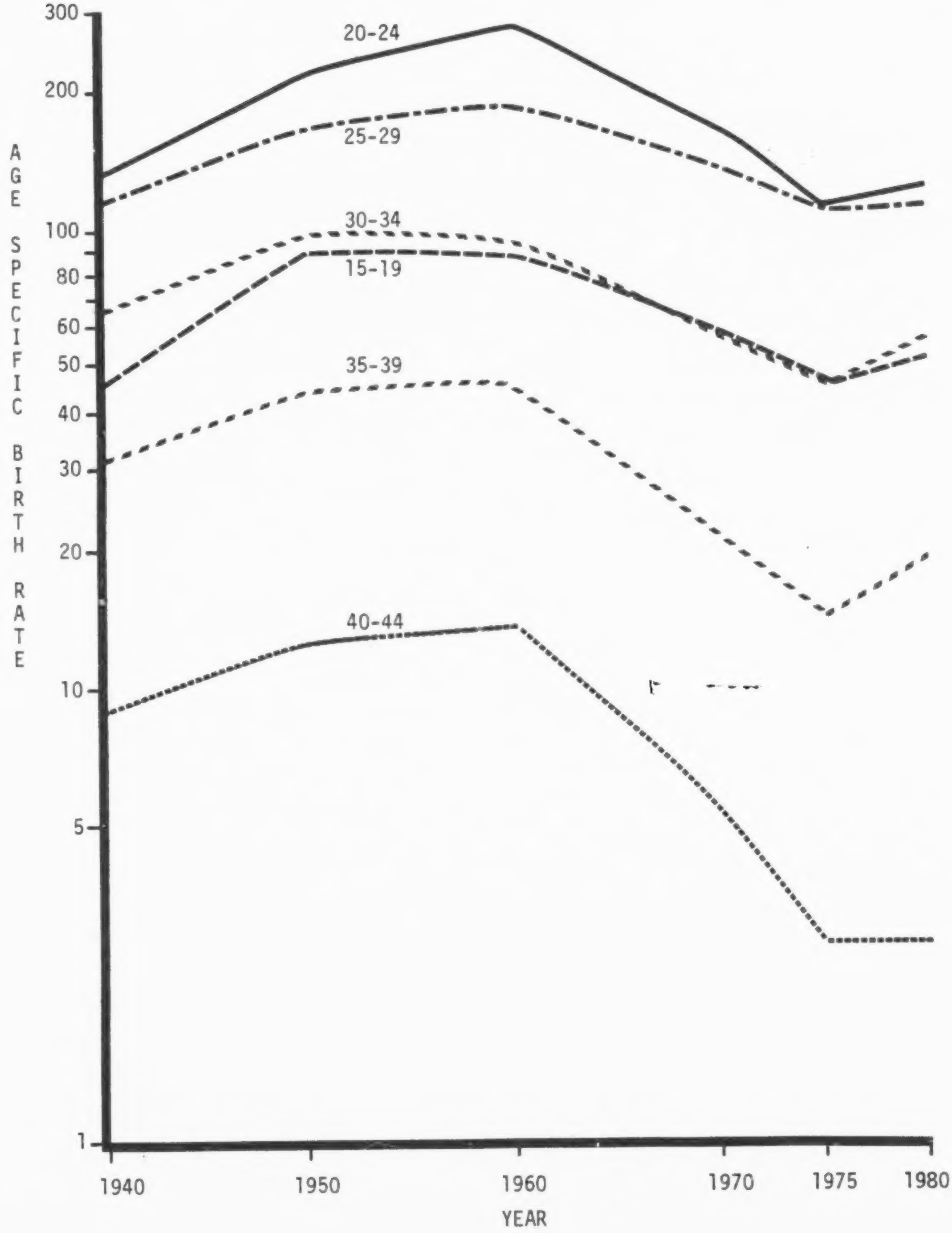


FIGURE 9. RESIDENT BIRTH RATES BY LIVE BIRTH ORDER, OREGON, 1960, 1970, 1975-1980

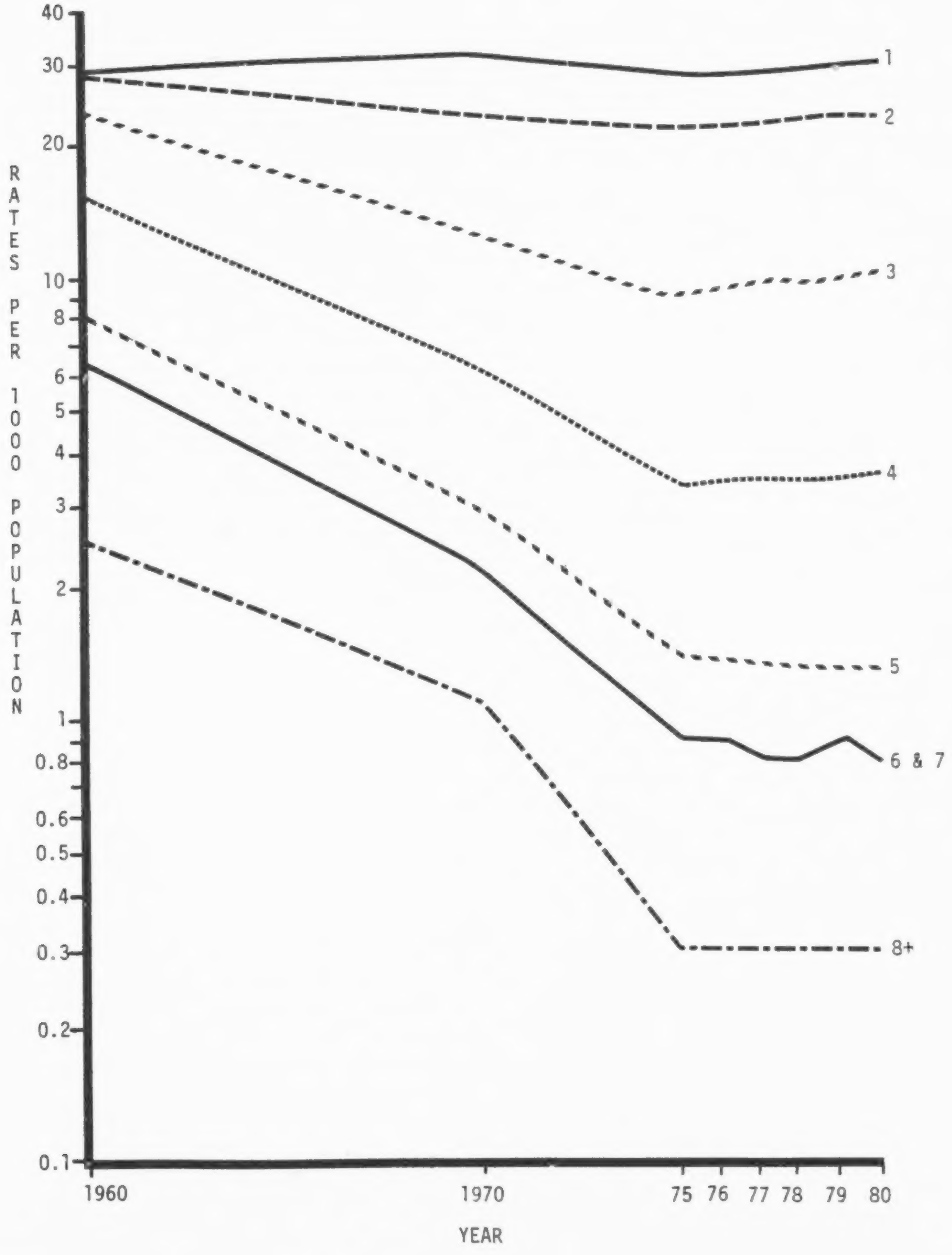


TABLE 9. RESIDENT BIRTHS BY AGE GROUP OF MOTHER, OREGON, 1950-1980

YEAR	TOTAL	AGE-GROUP OF MOTHER																	
		Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45+		N.S.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1950	35,991	15	0.0	4,558	12.7	11,953	33.2	10,130	28.1	5,941	16.5	2,710	7.5	646	1.8	33	0.1	5	0.0
1951	37,317	16	0.0	4,824	12.9	12,744	34.2	10,367	27.8	5,923	15.9	2,714	7.3	677	1.8	42	0.1	10	0.0
1952	39,752	10	0.0	4,844	12.2	13,214	33.2	10,994	27.7	6,703	16.9	3,175	8.0	763	1.9	45	0.1	4	0.0
1953	39,866	17	0.0	4,982	12.5	13,494	33.8	11,011	27.6	6,346	15.9	3,158	7.9	812	2.0	43	0.1	3	0.0
1954	38,550	18	0.0	4,841	12.6	12,810	33.2	10,217	26.5	6,587	17.1	3,211	8.3	825	2.1	38	0.1	3	0.0
1955	38,678	19	0.0	4,939	12.8	12,968	33.5	10,339	26.7	6,346	16.4	3,194	8.3	835	2.2	36	0.1	2	0.0
1956	38,423	21	0.1	5,230	13.6	13,029	33.9	10,035	26.1	6,119	15.9	3,098	8.1	831	2.2	50	0.1	10	0.0
1957	37,828	19	0.1	5,267	13.9	13,162	34.8	9,509	25.1	5,939	15.7	3,051	8.1	832	2.2	47	0.1	2	0.0
1958	36,295	26	0.1	5,147	14.2	12,761	35.2	9,222	25.4	5,519	15.2	2,763	7.6	819	2.3	36	0.1	2	0.0
1959	36,634	21	0.1	5,351	14.6	13,390	36.6	9,052	24.7	5,314	14.5	2,732	7.5	737	2.0	35	0.1	2	0.0
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1	2	0.0
1961	37,475	25	0.1	5,738	15.3	14,434	38.5	8,891	23.7	5,012	13.4	2,597	6.9	733	2.0	42	0.1	3	0.0
1962	36,983	19	0.1	5,882	15.9	14,246	38.5	8,743	23.6	4,817	13.0	2,497	6.8	737	2.0	39	0.1	3	0.0
1963	34,863	32	0.1	5,546	15.9	13,616	39.1	8,322	23.9	4,352	12.5	2,266	6.5	694	2.0	35	0.1	-	-
1964	33,500	30	0.1	5,356	16.0	13,302	39.7	7,986	23.8	4,088	12.2	2,079	6.2	619	1.8	38	0.1	2	0.0
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1	1	0.0
1966	32,446	31	0.1	5,989	18.5	13,044	40.2	7,688	23.7	3,352	10.3	1,781	5.5	521	1.6	38	0.1	2	0.0
1967	31,446	43	0.1	5,646	18.0	13,012	41.4	7,585	24.1	3,185	10.1	1,518	4.8	430	1.4	25	0.1	2	0.0
1968	32,136	39	0.1	5,789	18.0	13,071	40.7	8,304	25.8	3,170	9.9	1,332	4.1	405	1.3	25	0.1	1	0.0
1969	33,834	49	0.1	5,771	17.1	13,779	40.7	9,221	27.3	3,365	9.9	1,241	3.7	372	1.1	32	0.1	4	0.0
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1	1	0.0
1971	33,344	51	0.2	5,591	16.8	13,958	41.9	9,218	27.6	3,222	9.7	1,019	3.1	257	0.8	19	0.1	9	0.0
1972	31,308	52	0.2	5,531	17.7	12,374	39.5	9,141	29.2	3,046	9.7	920	2.9	226	0.7	12	0.0	6	0.0
1973	30,902	66	0.2	5,349	17.3	11,936	38.6	9,332	30.2	3,145	10.2	848	2.7	201	0.7	20	0.1	5	0.0
1974	32,506	66	0.2	5,356	16.5	12,612	38.8	10,039	30.9	3,465	10.7	810	2.5	145	0.4	8	0.0	5	0.0
1975	33,352	57	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0	5	0.0
1976	34,840	67	0.2	5,367	15.4	12,895	37.0	11,386	32.7	3,992	11.5	935	2.7	180	0.5	11	0.0	7	0.0
1977	37,467	69	0.2	5,303	14.2	13,830	36.9	12,285	32.8	4,723	12.6	1,069	2.9	174	0.5	9	0.0	5	0.0
1978	38,964	72	0.2	5,588	14.3	13,906	35.7	12,710	32.6	5,319	13.7	1,181	3.0	178	0.5	7	0.0	3	0.0
1979	41,564	70	0.2	5,544	13.3	14,451	34.8	13,864	33.4	6,109	14.7	1,316	3.2	193	0.5	12	0.0	5	0.0
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0	2	0.0

TABLE 10. RESIDENT BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER, OREGON, 1980

LIVE BIRTH ORDER	TOTAL	AGE OF MOTHER							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Total	43,091 1/	71	5,658	14,912	14,297	6,499	1,456	185	11
First	18,916	71	4,523	7,665	4,973	1,478	187	18	1
Second	14,182 1/	-	1,019	5,331	5,335	2,168	307	20	-
Third	6,302	-	105	1,558	2,734	1,551	330	24	-
Fourth	2,167	-	8	291	903	697	236	30	2
Fifth	815	-	2	57	244	320	166	25	1
Sixth	358	-	-	5	75	163	92	22	1
Seventh	156	-	-	3	19	67	54	12	1
Eighth	86	-	-	-	8	30	39	8	1
Ninth +	106	-	-	-	6	25	45	26	4
Not Stated	3	-	1	2	-	-	-	-	-

1/ Includes 2 births with age not stated.

FIGURE 10. PERCENTAGE OF BIRTHS TO UNWED MOTHERS BY AGE-GROUP, OREGON, 1971-1980

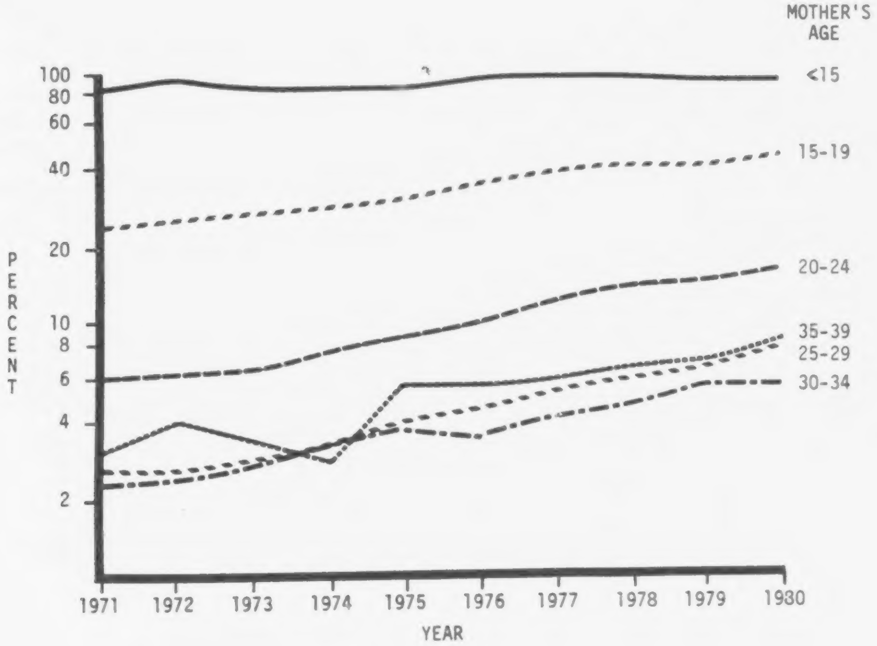


FIGURE 11. PERCENT OF OUT-OF-HOSPITAL BIRTHS OCCURRING IN OREGON BY ATTENDANT, 1975-1980

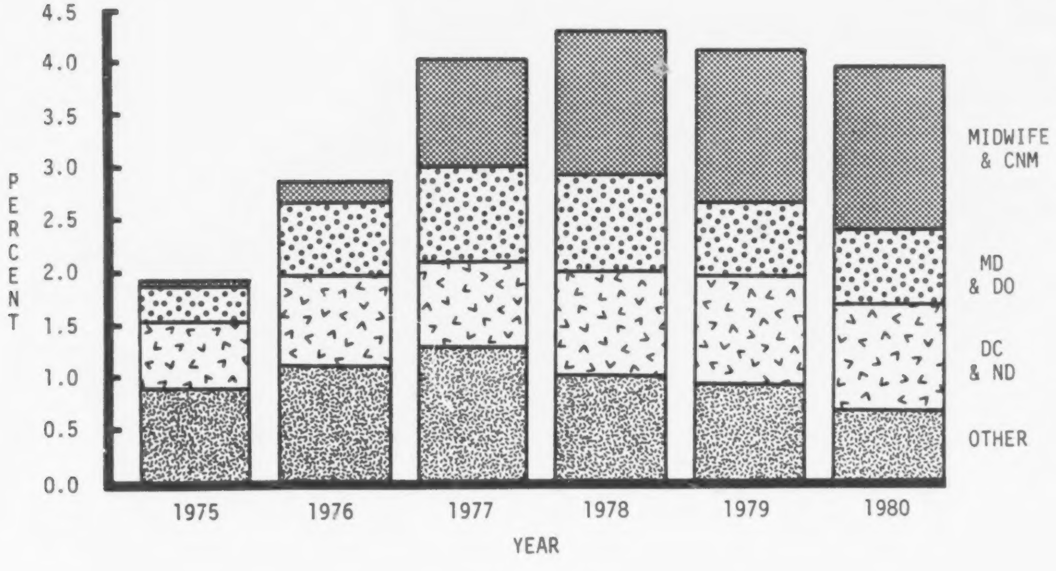


TABLE 11. RESIDENT BIRTHS BY RACE OF CHILD, OREGON, 1955-1980

YEAR	TOTAL	RACE OF CHILD						
		White	Black	Indian	Chinese	Japanese	Other	Not Stated
1955	38,678	37,575	526	309	74	135	59	-
1956	38,423	37,346	548	267	71	129	62	-
1957	37,828	36,705	530	340	80	121	52	-
1958	36,295	35,138	538	340	65	128	85	1
1959	36,634	35,384	599	376	69	128	78	-
1960	38,347	36,958	651	432	78	134	94	-
1961	37,475	36,128	585	451	72	148	91	-
1962	36,983	35,717	613	385	68	115	85	-
1963	34,863	33,545	617	418	72	105	106	-
1964	33,500	32,199	613	417	69	105	97	-
1965	32,955	31,671	590	425	66	112	91	-
1966	32,446	31,247	567	371	77	82	102	-
1967	31,446	30,270	583	368	63	74	88	-
1968	32,136	30,968	543	363	71	85	106	-
1969	33,834	32,427	626	451	95	95	139	1
1970	35,353	33,729	677	552	86	127	179	3
1971	33,344	31,850	654	478	90	106	158	8
1972	31,308	29,756	657	492	89	110	185	19
1973	30,902	29,349	621	510	77	113	214	18
1974	32,506	30,800	706	515	80	109	272	24
1975	33,352	31,487	760	567	97	117	290	34
1976	34,840	32,923	728	550	104	138	339	50
1977	37,467	35,361	894	527	109	134	369	73
1978	38,964	36,617	947	581	107	144	546	22
1979	41,564	38,983	977	627	147	151	661	18
1980	43,091	40,151	1,012	687	169	147	908	17

FIGURE 12. RESIDENT BIRTH RATES BY RACE, OREGON, 1970 & 1980

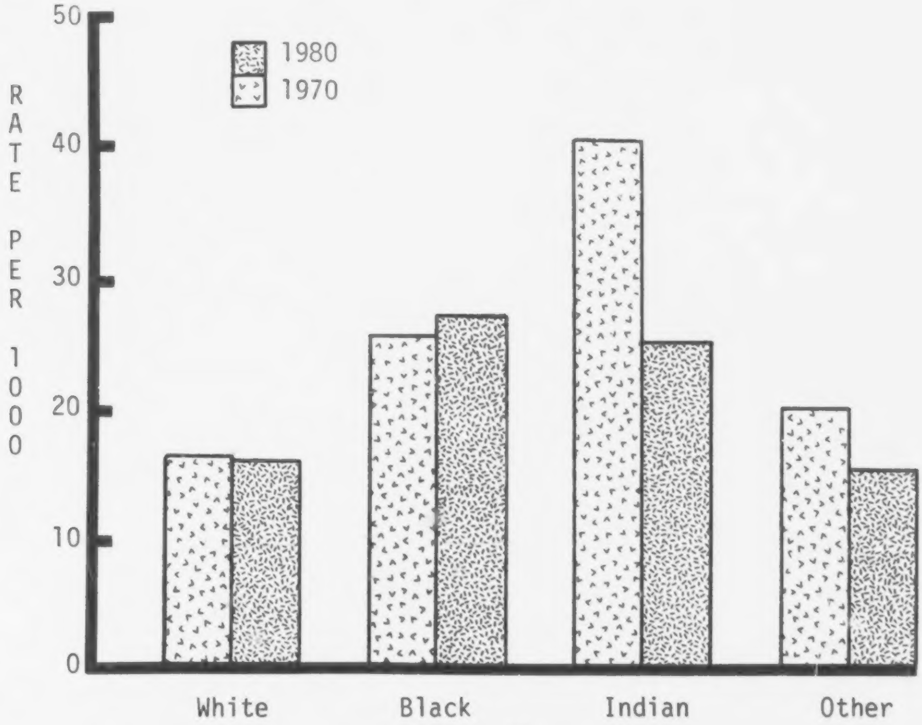


TABLE 12. RESIDENT BIRTHS BY AGE OF MOTHER AND BY BIRTHWEIGHT, OREGON, 1980

BIRTH-WEIGHT (Grams)	TOTAL	AGE OF MOTHER								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	43,091	71	5,658	14,912	14,297	6,499	1,456	185	11	2
500 or less	22	1	4	4	7	5	1	-	-	-
501-1000	119	1	22	42	34	18	2	-	-	-
1001-1500	213	1	36	83	65	20	7	1	-	-
%1500 & Under	0.8	4.2	1.1	0.9	0.7	0.7	0.7	0.5	-	-
1501-2000	397	2	70	141	97	64	20	2	1	-
2001-2500	1,419	2	260	484	425	189	47	11	1	-
%1501-2500	4.2	5.6	5.8	4.2	3.7	3.9	4.6	7.0	18.2	-
2501-3000	5,608	14	985	2,033	1,661	722	166	26	1	-
3001-3500	15,193	32	2,179	5,458	4,942	2,076	450	53	3	
3501-4000	14,164	16	1,593	4,810	4,904	2,275	504	58	3	1
4001-4500	4,839	2	439	1,518	1,768	894	189	26	2	1
%2501-4500	92.4	90.1	91.8	92.7	92.9	91.8	89.9	88.1	81.8	100.0
4501-5000	999	-	67	307	354	209	56	6	-	-
5000 & Over	115	-	3	32	39	25	14	2	-	-
%4501 & Over	2.6	-	1.2	2.3	2.7	3.6	4.8	4.3	-	-
Not Stated	3	-	-	-	1	2	-	-	-	-

TABLE 13. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1980

BIRTH-WEIGHT (Grams)	TOTAL	AGE OF MOTHER								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	6,360	63	2,458	2,280	1,071	363	117	8	-	-
500 or less	10	1	4	3	1	-	1	-	-	-
501-1000	33	1	14	12	4	2	-	-	-	-
1001-1500	69	1	23	23	17	3	1	1	-	-
%1500 & Under	1.8	4.8	1.7	1.7	2.1	1.4	1.7	12.5	-	-
1501-2000	95	2	41	31	13	3	4	1	-	-
2001-2500	321	2	128	111	55	21	4	-	-	-
%1501-2500	6.5	6.3	6.9	6.2	6.3	6.6	6.8	12.5	-	-
2501-3000	1,104	13	456	394	167	55	18	1	-	-
3001-3500	2,422	28	960	889	373	127	43	2	-	-
3501-4000	1,736	15	641	633	313	103	28	3	-	-
4001-4500	482	-	165	158	104	41	14	-	-	-
%2501-4500	90.8	88.9	90.4	91.0	89.4	89.8	88.0	75.0	-	-
4501-5000	86	-	26	25	24	8	3	-	-	-
5001 & Over	2	-	-	1	-	-	1	-	-	-
%4501 & Over	1.4	-	1.1	1.1	2.2	2.2	3.4	-	-	-

TABLE 14. MATERNAL RISK FACTORS BY COUNTY OF RESIDENCE, OREGON, 1980

RISK FACTOR	TOTAL	BAKER	BENTON	CLACKAMAS	CLATSOP	COLUMBIA	COOS	CROOK
TOTAL LIVE BIRTHS	43,091	259	941	3,561	524	607	1,061	220
% OF MOTHERS IN RISK GROUP *								
3rd Trimester or No Prenatal Care	4.0	4.2	1.5	3.3	2.3	3.5	3.2	4.5
Mother 17 or Younger	4.3	5.4	1.5	3.0	3.8	5.1	6.0	3.6
Mother 35 or Older	3.8	3.1	4.9	5.1	3.4	3.8	3.2	1.4
4+ Live Birth Order	8.6	10.0	7.2	9.7	10.3	10.5	6.9	5.9
Non-White	6.8	3.1	6.7	3.8	3.1	2.1	3.3	1.8
Less than 12 Years Education	19.9	23.9	8.2	15.2	14.9	20.3	24.5	23.6
Mother Unwed	14.8	7.7	9.1	10.1	16.2	14.7	16.9	10.9
Plural Birth	2.1	3.1	2.3	2.1	2.9	2.3	2.1	2.7

RISK FACTOR	CURRY	DESCHUTES	DOUGLAS	GILLIAM	GRANT	HARNEY	HOOD RIVER	JACKSON
TOTAL LIVE BIRTHS	256	1,048	1,620	30	129	131	246	2,034
% OF MOTHERS IN RISK GROUP *								
3rd Trimester or No Prenatal Care	2.7	2.9	3.3	3.3	2.3	9.2	7.7	3.2
Mother 17 or Younger	3.9	3.1	5.1	3.3	7.8	2.3	5.3	4.1
Mother 35 or Older	3.9	3.2	3.5	-	2.3	1.5	3.7	3.5
4+ Live Birth Order	5.9	8.4	8.4	-	10.1	5.3	11.4	8.7
Non-White	6.6	2.2	2.3	-	3.1	6.1	2.8	2.6
Less than 12 Years Education	16.4	18.2	25.6	20.0	17.8	23.7	19.1	20.4
Mother Unwed	9.7	11.8	14.3	3.3	3.9	12.2	14.6	14.1
Plural Birth	0.8	1.9	2.3	-	1.6	-	1.6	2.1

RISK FACTOR	JEFFERSON	JOSEPHINE	KLAMATH	LAKE	LANE	LINCOLN	LINN	MALHEUR
TOTAL LIVE BIRTHS	218	912	1,004	146	4,324	564	1,525	556
% OF MOTHERS IN RISK GROUP *								
3rd Trimester or No Prenatal Care	7.3	6.8	10.5	5.5	4.4	5.0	4.3	5.9
Mother 17 or Younger	3.2	5.9	6.9	4.1	2.9	3.5	4.5	4.1
Mother 35 or Older	2.3	4.5	3.7	1.4	3.4	2.8	3.4	3.6
4+ Live Birth Order	12.8	9.1	8.8	4.8	6.5	6.9	8.2	17.6
Non-White	37.1	2.0	8.7	0.7	4.9	3.4	2.4	4.0
Less than 12 Years Education	35.3	23.8	24.6	23.3	18.0	18.8	23.9	24.5
Mother Unwed	21.6	19.0	14.9	15.1	14.3	16.0	14.9	7.9
Plural Birth	2.8	1.7	2.7	-	1.8	2.1	1.8	1.4

TABLE 14. continued

RISK FACTOR	MARION	MORROW	MULTNOMAH	POLK	SHERMAN	TILLAMOOK	UMATILLA	UNION
TOTAL LIVE BIRTHS	3,637	131	9,110	740	31	339	1,174	418
% OF MOTHERS IN RISK GROUP *								
3rd Trimester or No Prenatal Care	4.0	7.6	4.0	2.8	3.2	3.8	8.3	3.6
Mother 17 or Younger	5.3	6.1	5.0	5.0	6.5	6.5	5.8	3.1
Mother 35 or Older	4.4	3.1	3.8	3.0	3.2	3.2	3.4	4.1
4+ Live Birth Order	10.9	11.5	7.8	7.0	9.7	5.3	10.6	11.2
Non-White	4.5	1.5	15.8	4.7	3.2	3.2	4.5	3.3
Less than 12 Years Education	23.8	29.8	20.4	19.9	12.9	25.1	22.1	13.2
Mother Unwed	15.7	11.5	21.2	12.3	12.9	15.9	14.7	9.1
Plural Birth	2.1	-	2.3	3.0	-	0.6	2.7	2.2

RISK FACTOR	WALLOWA	WASCO	WASHINGTON	WHEELER	YAMHILL
TOTAL LIVE BIRTHS	133	371	4,029	16	1,046
% OF MOTHERS IN RISK GROUP *					
3rd Trimester or No prenatal Care	3.7	3.2	2.0	-	3.6
Mother 17 or Younger	4.5	3.5	3.0	-	4.4
Mother 35 or Older	3.0	5.1	4.4	-	2.6
4+ Live Birth Order	7.5	8.9	7.7	18.8	10.3
Non-White	2.3	6.2	6.2	6.2	3.0
Less than 12 Years Education	21.8	19.1	15.2	6.2	20.8
Mother Unwed	9.0	13.7	8.9	-	11.7
Plural Birth	1.5	5.9	1.9	-	1.5

* More than one risk factor may occur for each birth.

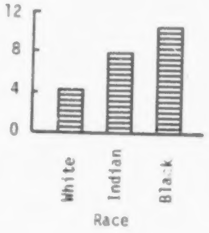


FIGURE 13. PROPORTION OF LOW-BIRTHWEIGHT INFANTS BY RISK FACTORS, OREGON, 1980

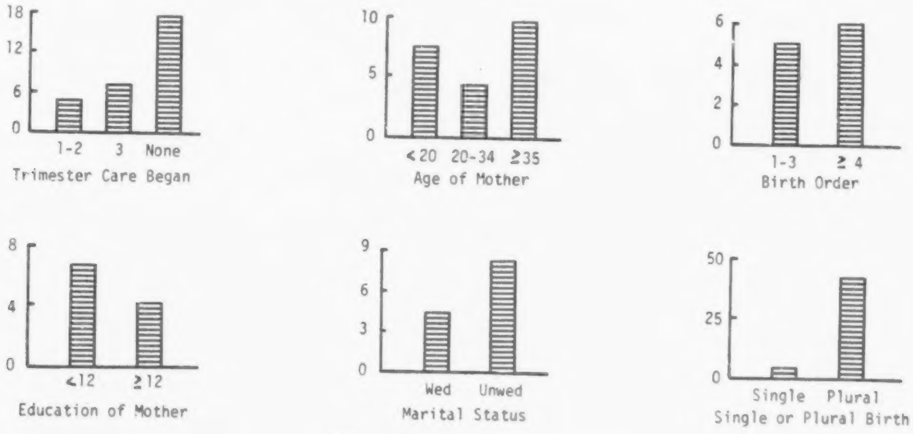


TABLE 15. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION AND BY DELIVERY ATTENDANT, OREGON, 1980

COUNTY OF OCCURRENCE	TOTAL	IN HOSPITAL OR BORN ON ARRIVAL						
		Total	M.D.	D.O.	CNM	R.N.	Other Licensed Medical	Non Medical
TOTAL	44,223	42,544	39,539	1,363	1,482	119	21	20
Baker	200	196	196	-	-	-	-	-
Benton	1,413	1,361	1,273	15	71	2	-	-
Clackamas	1,350	1,255	1,224	27	4	-	-	-
Clatsop	558	537	536	-	-	1	-	-
Columbia	215	205	205	-	-	-	-	-
Coos	1,047	1,029	1,024	-	-	5	-	-
Crook	136	134	134	-	-	-	-	-
Curry	189	141	80	39	14	8	-	-
Deschutes	1,260	1,242	1,242	-	-	-	-	-
Douglas	1,533	1,501	1,409	69	-	5	9	9
Gilliam	-	-	-	-	-	-	-	-
Grant	110	107	103	-	-	3	1	-
Harney	118	118	118	-	-	-	-	-
Hood River	168	158	158	-	-	-	-	-
Jackson	2,197	2,113	1,561	149	375	26	-	2
Jefferson	156	154	154	-	-	-	-	-
Josephine	961	830	824	1	-	4	-	1
Klamath	1,036	1,026	1,025	-	-	-	1	-
Lake	155	154	154	-	-	-	-	-
Lane	4,480	4,214	3,477	30	688	17	-	2
Lincoln	271	237	210	17	-	9	-	1
Linn	1,236	1,180	979	87	91	22	1	-
Malheur	672	667	665	-	-	2	-	-
Marion	3,587	3,385	3,323	62	-	-	-	-
Morrow	40	39	39	-	-	-	-	-
Multnomah	15,230	14,975	14,486	312	165	2	8	2
Polk	254	218	11	205	-	2	-	-
Sherman	-	-	-	-	-	-	-	-
Tillamook	254	246	236	10	-	-	-	-
Umatilla	956	943	880	58	-	5	-	-
Union	478	468	444	24	-	-	-	-
Wallowa	115	111	111	-	-	-	-	-
Wasco	467	458	458	-	-	-	-	-
Washington	2,661	2,471	2,131	258	74	4	1	3
Wheeler	-	-	-	-	-	-	-	-
Yamhill	720	671	669	-	-	2	-	-

TABLE 15. Continued

NOT IN HOSPITAL										
Total	M.D.	D.O.	N.D.	D.C.	CNM	R.N.	Mid-Wife	Other Licensed Medical	Non Medical	N.S.
1,679	293	19	250	154	279	26	378	32	246	2
4	-	-	-	-	-	-	1	-	3	-
52	4	-	10	-	1	-	31	-	5	1
95	2	-	24	11	-	1	29	1	27	-
21	-	-	-	1	-	9	5	1	5	-
10	1	-	1	-	3	-	1	-	4	-
18	1	-	-	1	1	-	13	-	2	-
2	-	-	1	-	-	-	1	-	-	-
48	6	2	-	-	34	4	-	-	2	-
18	1	-	4	-	-	-	-	-	13	-
32	7	-	1	1	-	1	12	3	7	-
-	-	-	-	-	-	-	-	-	-	-
3	1	-	-	-	-	-	1	-	1	-
-	-	-	-	-	-	-	-	-	-	-
10	-	-	2	-	-	-	4	-	4	-
84	27	-	-	2	3	1	19	17	15	-
2	-	-	1	-	-	-	-	-	1	-
131	31	-	7	-	52	1	26	4	10	-
10	2	-	-	-	-	-	1	1	6	-
1	-	-	-	-	-	-	-	1	-	-
266	21	15	5	8	143	-	57	1	16	-
34	5	-	4	4	1	1	11	-	8	-
56	9	-	-	1	19	3	15	-	9	-
5	-	-	-	-	-	-	1	-	4	-
202	1	1	28	90	1	3	17	-	60	1
1	-	-	-	-	-	-	1	-	-	-
255	12	-	111	26	-	-	89	2	15	-
36	2	1	5	1	21	-	5	-	1	-
-	-	-	-	-	-	-	-	-	-	-
8	-	-	2	-	-	2	2	-	2	-
13	1	-	-	-	-	-	4	-	8	-
10	-	-	-	-	-	-	7	-	3	-
4	-	-	-	3	-	-	-	-	1	-
9	3	-	1	-	-	-	3	-	2	-
190	144	-	13	4	-	-	17	1	11	-
-	-	-	-	-	-	-	-	-	-	-
49	12	-	30	1	-	-	5	-	1	-

TABLE 16. BIRTHS BY COUNTY OF RESIDENCE AND AGE GROUPS OF MOTHER, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	AGE GROUPS OF MOTHER								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	43,091	71	5,658	14,912	14,297	6,499	1,456	185	11	2
Baker	259	-	50	94	75	32	7	1	-	-
Benton	941	1	62	270	378	184	42	4	-	-
Clackamas	3,561	1	341	1,063	1,274	699	166	17	-	-
Clatsop	524	-	59	204	163	80	16	2	-	-
Columbia	607	4	86	230	186	78	17	5	1	-
Coos	1,061	3	170	420	302	132	29	4	1	-
Crook	220	-	36	85	70	26	1	2	-	-
Curry	256	-	36	90	76	44	9	1	-	-
Deschutes	1,048	2	120	365	355	172	28	6	-	-
Douglas	1,620	1	289	620	455	199	47	8	1	-
Gilliam	30	-	3	15	10	2	-	-	-	-
Grant	129	-	20	52	36	18	1	2	-	-
Harney	131	-	23	52	39	15	2	-	-	-
Hood River	246	-	40	95	73	29	9	-	-	-
Jackson	2,034	3	261	740	678	280	63	9	-	-
Jefferson	218	-	41	86	63	22	3	2	-	1
Josephine	912	4	144	321	279	123	37	4	-	-
Klamath	1,004	-	135	373	300	109	33	4	-	-
Lake	146	1	20	64	46	13	2	-	-	-
Lane	4,324	6	505	1,514	1,471	679	134	15	-	-
Lincoln	564	1	64	220	179	84	13	3	-	-
Linn	1,525	1	249	582	471	170	46	5	1	-
Malheur	556	1	79	206	169	81	19	1	-	-
Marion	3,637	6	558	1,217	1,193	504	141	17	1	-
Morrow	131	-	19	42	45	21	4	-	-	-
Multnomah	9,110	24	1,197	3,100	3,049	1,391	307	39	3	-
Polk	740	2	109	248	247	112	18	4	-	-
Sherman	31	-	7	7	13	3	1	-	-	-
Tillamook	339	-	64	125	95	44	11	-	-	-
Umatilla	1,174	1	178	465	338	152	32	8	-	-
Union	418	-	60	147	137	57	14	3	-	-
Wallowa	133	-	17	45	55	12	3	-	1	-
Wasco	371	1	56	144	112	39	18	-	1	-
Washington	4,029	7	370	1,214	1,526	735	157	18	1	1
Wheeler	16	-	2	8	6	-	-	-	-	-
Yamhill	1,046	1	138	389	333	158	26	1	-	-

TABLE 17. BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE AND AGE GROUPS OF MOTHER, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	AGE GROUPS OF MOTHER							
		Under 15	15-19	20-24	25-29	30-34	35-40	41-45	45+
TOTAL	6,360	63	2,458	2,280	1,071	363	117	8	-
Baker	20	-	10	5	3	1	1	-	-
Benton	86	1	27	36	15	6	1	-	-
Clackamas	360	1	143	133	50	29	3	1	-
Clatsop	85	-	21	40	15	8	1	-	-
Columbia	89	4	43	25	15	2	-	-	-
Coos	179	3	76	64	21	8	6	1	-
Crook	24	-	11	12	-	1	-	-	-
Curry	25	-	12	7	4	1	1	-	-
Deschutes	124	2	53	40	18	10	1	-	-
Douglas	231	1	101	82	32	11	4	-	-
Gilliam	1	-	-	1	-	-	-	-	-
Grant	5	-	3	-	1	1	-	-	-
Harney	16	-	7	5	3	1	-	-	-
Hood River	36	-	12	14	7	2	1	-	-
Jackson	286	2	97	115	51	15	6	-	-
Jefferson	47	-	18	14	11	4	-	-	-
Josephine	173	3	64	57	31	12	5	1	-
Klamath	150	-	76	46	18	7	3	-	-
Lake	22	1	6	11	4	-	-	-	-
Lane	617	4	218	222	113	49	10	1	-
Lincoln	90	1	17	41	21	7	2	1	-
Linn	227	1	103	80	33	7	3	-	-
Malheur	44	1	20	15	8	-	-	-	-
Marion	572	5	254	180	92	30	11	-	-
Morrow	15	-	5	2	6	1	1	-	-
Multnomah	1,932	24	692	722	340	109	43	2	-
Polk	91	-	39	34	16	2	-	-	-
Sherman	4	-	3	-	1	-	-	-	-
Tillamook	54	-	24	15	11	3	1	-	-
Umatilla	172	1	64	68	25	11	3	-	-
Union	38	-	16	16	4	-	2	-	-
Wallowa	12	-	7	4	-	-	1	-	-
Wasco	51	1	19	16	12	3	-	-	-
Washington	359	6	145	121	66	15	5	1	-
Wheeler	-	-	-	-	-	-	-	-	-
Yamhill	123	1	52	37	24	7	2	-	-

FIGURE 14. UNWED MOTHERS BIRTH RATIO, OREGON AND UNITED STATES, 1945-1980

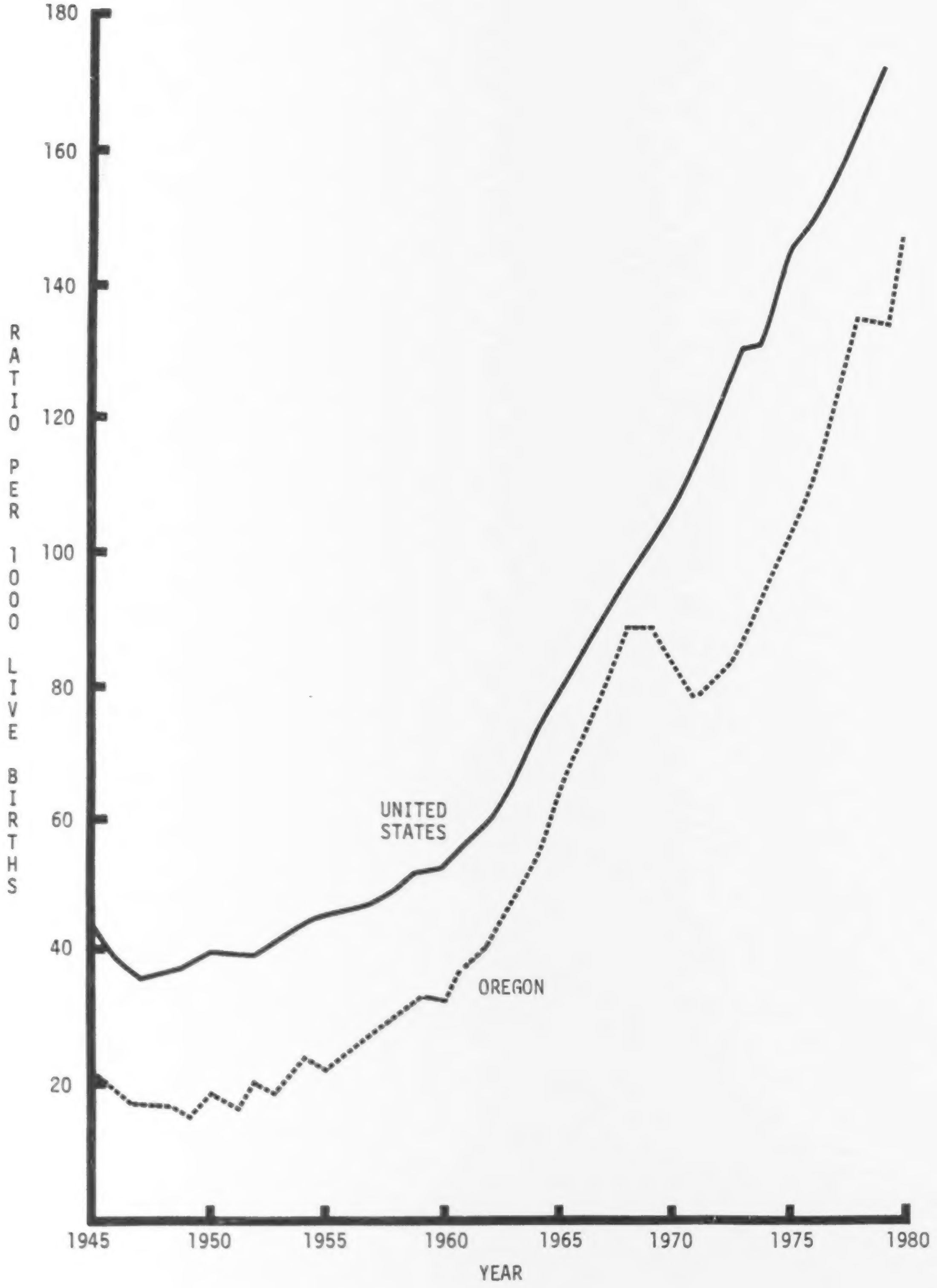


TABLE 18. BIRTHS BY COUNTY OF RESIDENCE BY SEX AND RACE OF CHILD, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	SEX OF CHILD		RACE OF CHILD								
		Male	Female	White	Black	Indian	Chinese	Japanese	Other Asian & Pacific Islander	Filipino	Other Non-White	Not Stated
TOTAL	43,091	21,961	21,130	40,151	1,005	690	168	149	716	139	56	17
Baker	259	129	130	251	-	3	-	-	4	-	1	-
Benton	941	495	446	878	21	11	4	4	19	4	-	-
Clackamas	3,561	1,827	1,734	3,426	13	33	14	18	39	10	7	1
Clatsop	524	289	235	507	3	3	3	-	4	2	1	1
Columbia	607	291	316	593	2	5	-	-	4	2	-	1
Coos	1,061	529	532	1,026	1	20	-	2	8	4	-	-
Crook	220	125	95	216	-	2	-	-	-	-	2	-
Curry	256	140	116	239	-	15	1	-	1	-	-	-
Deschutes	1,048	551	497	1,025	2	12	2	2	1	1	3	-
Douglas	1,620	817	803	1,583	-	21	1	1	8	4	2	-
Gilliam	30	18	12	30	-	-	-	-	-	-	-	-
Grant	129	64	65	125	-	3	-	-	1	-	-	-
Harney	131	67	64	123	1	6	-	-	1	-	-	-
Hood River	246	115	131	239	-	4	-	2	1	-	-	-
Jackson	2,034	1,067	967	1,981	3	23	2	7	9	6	3	-
Jefferson	218	115	103	137	-	79	-	1	1	-	-	-
Josephine	912	471	441	894	3	5	1	3	5	-	1	-
Klamath	1,004	496	508	917	11	69	1	2	2	-	2	-
Lake	146	74	72	145	-	-	-	-	1	-	-	-
Lane	4,324	2,221	2,103	4,105	56	57	20	18	43	12	7	6
Lincoln	564	296	268	545	-	15	1	-	3	-	-	-
Linn	1,525	795	730	1,489	7	11	4	1	11	1	1	-
Malheur	556	272	284	534	2	5	3	10	1	-	1	-
Marion	3,637	1,845	1,792	3,474	27	51	10	6	57	11	1	-
Morrow	131	69	62	129	-	1	-	-	1	-	-	-
Multnomah	9,110	4,623	4,487	7,666	797	114	76	37	351	49	13	7
Polk	740	348	392	704	5	16	2	3	6	1	2	1
Sherman	31	16	15	30	-	-	-	1	-	-	-	-
Tillamook	339	154	185	328	2	2	-	1	3	1	2	-
Umatilla	1,174	582	592	1,121	1	39	1	1	7	3	1	-
Union	418	225	193	404	3	4	-	1	4	1	1	-
Wallowa	133	71	62	130	1	1	-	-	-	1	-	-
Wasco	371	187	184	348	-	19	-	1	1	1	1	-
Washington	4,029	2,024	2,005	3,779	41	29	21	23	109	23	4	-
Wheeler	16	5	11	15	-	-	-	-	1	-	-	-
Yamhill	1,046	548	498	1,015	3	12	1	4	9	2	-	-

TABLE 19. NUMBER OF LIVE BIRTHS BY MONTH OF OCCURRENCE, OREGON, 1980

MONTH OF OCCURRENCE	NUMBER OF LIVE BIRTHS	MONTH OF OCCURRENCE	NUMBER OF LIVE BIRTHS
TOTAL	43,091		
January	3,518	July	3,778
February	3,206	August	3,764
March	3,671	September	3,664
April	3,632	October	3,676
May	3,817	November	3,388
June	3,571	December	3,406

TABLE 20. CONGENITAL MALFORMATIONS BY SITE REPORTED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	NERVOUS SYSTEM & SENSE ORGANS				CIRCULATORY SYSTEM		DIGESTIVE SYSTEM			GENITO-URINARY SYSTEM			MUSCULO-SKELETAL SYSTEM					OTHER SPECIFIED			MULTIPLE SITES
		ANENCEPHALUS	SPINA BIFIDA	OTHER NERVOUS SYSTEM	SENSE ORGANS	HEART	OTHER	CLEFT PALATE AND/OR LIP	UPPER ALIMENTARY TRACT	OTHER	HYPOSPADIAS	OTHER GENITAL ORGANS	URINARY ORGANS	CLUBFOOT	POLYDACTYLY	SYNDACTYLY	CONGENITAL DISLOCATION HIP	OTHER	DOWN'S SYNDROME	SKIN	OTHER SPECIFIED SITES	
TOTAL	480	9	18	7	18	4	28	54	8	12	32	11	9	37	10	9	25	73	20	21	13	62
Baker	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Benton	11	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	4	1	1	-	3
Clackamas	30	-	-	-	1	-	-	8	2	-	4	-	-	2	1	-	2	5	1	-	1	3
Clatsop	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	1
Columbia	7	-	-	-	-	-	-	1	-	-	1	1	-	1	-	-	1	-	-	-	-	2
Coos	9	1	2	-	-	-	-	2	-	-	-	-	-	-	1	-	-	2	-	1	-	-
Crook	5	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
Curry	4	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	1	-
Deschutes	12	-	-	-	1	-	-	2	-	1	-	-	1	1	-	-	-	6	-	-	-	-
Douglas	30	-	2	-	2	2	1	4	2	-	2	2	-	2	1	1	1	4	-	3	-	1
Gilliam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grant	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Harney	4	-	-	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Hood River	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Jackson	16	-	-	1	-	1	-	-	-	1	1	-	1	2	-	2	-	3	-	-	1	3
Jefferson	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Josephine	14	1	1	1	-	-	1	-	-	-	1	-	-	3	1	-	1	-	1	-	1	2
Klamath	23	-	-	-	1	-	5	-	-	-	2	2	-	1	-	-	1	3	3	2	-	3
Lake	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Lane	45	-	2	1	2	-	3	7	-	2	2	-	1	2	-	2	3	6	3	1	1	7
Lincoln	8	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	2	-	2
Linn	17	-	-	1	1	-	1	-	-	1	3	1	-	2	-	1	-	1	1	-	-	4
Malheur	14	-	-	-	3	-	1	1	-	-	3	-	-	1	-	1	1	2	-	-	-	1
Marion	34	1	3	1	2	1	1	4	-	1	3	-	2	2	1	-	-	5	1	-	1	5
Morrow	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Multnomah	88	-	3	-	2	-	4	16	-	-	2	2	2	9	1	-	10	16	4	3	4	10
Polk	6	-	1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	2
Sherman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tillamook	9	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	5	-	-	-	1
Umatilla	12	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	2	-	-	3	-	4
Union	9	-	-	-	1	-	1	1	-	2	1	-	-	-	-	-	-	1	1	-	1	-
Wallcwa	3	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-
Wasco	8	3	-	-	-	-	1	1	-	1	-	-	-	1	-	-	-	-	-	-	-	1
Washington	39	3	1	1	-	-	4	4	2	2	3	2	-	2	1	-	2	6	2	1	1	2
Wheeler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yamhill	10	-	2	-	-	-	-	-	2	-	-	-	-	2	-	1	1	-	-	1	-	1

PREGNANCY

USING PREGNANCY DATA --
BIRTHS, ABORTIONS, FETAL DEATHS, MATCHED BIRTH-INFANT DEATHS

At first it may seem redundant to have a pregnancy section in this report. The live births have been reported in the natality section. The induced abortions are published in the special abortion report. And the fetal deaths could have been included in the mortality section. But it is important to remember that these three events are just different outcomes of a single event. Many users of vital statistics are concerned with *pregnancies*, regardless of the form which marks the completion of those pregnancies. These users are also often interested in combining the information from the birth certificate with that from the death certificate for babies who have died. So people concerned with maternal and child health, family planning and health care utilization must combine the four types of data to answer their vital statistics questions. This section is provided to assist in that process.

LIVE BIRTHS A live birth is a product of conception which shows any evidence of life *after* expulsion or extraction from the mother.

FETAL DEATHS A fetal death (sometimes called a spontaneous abortion or a stillbirth or a miscarriage) is the death of a product of conception *before* complete expulsion or extraction from its mother. In 1972 the definition was changed to limit the reporting of fetal deaths to those of 20 weeks or more gestation. Fetal deaths are *not* included in the figures for total deaths.

INDUCED ABORTIONS Induced abortions (formerly called therapeutic abortions and now usually referred to simply as abortions) were reported as fetal deaths until 1968 when restrictions were liberalized and separate reporting was established. Several states, notably California, do not participate in the certificate exchange system for out-of-state residents. Therefore, the resident abortion figures are incomplete, especially for residents of the southern counties.

PREGNANCIES For statistical purposes resident pregnancies are the resident births plus the resident fetal deaths plus resident induced abortions. This does not include fetal deaths prior to 20 weeks gestation. Nor does it include abortions which Oregon residents obtained in California. The *pregnancy rate* is the number of pregnancies (regardless of the women's age) per 1,000 females between the ages of 15 and 44.

MATCHED BIRTHS AND INFANT DEATHS The matched deaths refer to all of the infants who died in 1980 and whose mothers were residents of Oregon at the time of birth. Some of the infants were born in 1979. The *neonatal, post-neonatal and infant death rates* are the number of those deaths per 1,000 infants born in 1980. NOTE: The matched deaths differ from the infant deaths in the mortality section since the latter infants were Oregon residents at the time of death rather than at the time of birth.

PREGNANCIES - 1980

THE POPULATION

The ages of 15 to 44 are considered the reproductive years for females. In 1980, 620,886 women, or nearly one-fourth of Oregon's population, fell into this category. And during the year nearly one in every ten of these women required pregnancy related services.

PREGNANCY RATES

Although the fertility rate (which compares the number of births to the population of childbearing women) decreased by 15% between 1970 and 1980 the pregnancy rate showed only a 10% decline for the same period. In other words the likelihood of birth decreased more than the likelihood of pregnancy. The difference is accounted for by a greater proportion of pregnancies ending in abortion. In 1970, 22% of the pregnancies terminated in abortion compared to 27% in 1980. (Figure 16)

PREGNANCY OUTCOMES BY AGE

But the outcome of pregnancy varies tremendously by age. Only a third of the pregnancies of females who were less than 15 years old resulted in a live birth. But more than 80% of the pregnancies of women in their late twenties and early thirties resulted in a live birth. Half of the pregnancies for women in their late teens and three-fourths of the pregnancies of women in their early twenties or late thirties result in a live birth. Abortion appears to play an important role in decreasing teen births. (Figure 15 & Figure 17)

TEEN PREGNANCY

Teen pregnancies present special problems because of their higher risk of morbidity and mortality for the woman and, if she chooses to deliver, for her infant as well. In 1980, 10,727 pregnancies were reported to teenagers which amounts to one in every ten females between the age of 15 and 19. This is a 14% increase over the 1970 rate. Furthermore, pregnancy history data reveals that at least one of every three females becomes pregnant before the age of 20 and of these another third becomes pregnant a second time before her twentieth birthday.

Teenage pregnancies which result in a live birth present special problems, especially for teens under the age of 18. By matching the information from the birth certificates and death certificates it can be seen that the infant death rate for babies whose mothers were 17 or less at the time of birth is more than double the rate for older women. In 1980, one in forty of these infants died before the age of one. The post-neonatal death rate is two-and-a-half times greater for the young mothers.

MATCHED BIRTHS AND DEATHS

Other matched birth and death data emphasizes the importance of providing good maternal and infant health care. In 1980, the infant death rate for babies whose mothers' had only third trimester or no prenatal care was two-and-a-third times the rate for others. Other risk factors are related to death rates in Table 22 .

TABLE 21. TOTAL PREGNANCIES BY TYPE OF OUTCOME AND AGE GROUPS, OREGON RESIDENTS, 1980

AGE GROUP	TOTAL	LIVE BIRTHS		FETAL DEATHS		INDUCED ABORTIONS	
		No.	%	No.	%	No.	%
TOTAL	59,283	43,091	72.7	294	0.5	15,898	26.8
Under 15	200	71	35.5	-	-	129	64.5
15 - 19	10,527	5,658	53.7	36	0.3	4,833	45.9
20 - 24	20,198	14,912	73.8	109	0.5	5,177	25.6
25 - 29	17,345	14,297	82.4	88	0.5	2,960	17.1
30 - 34	7,830	6,499	83.0	38	0.5	1,293	16.5
35 - 39	1,956	1,456	74.4	17	0.9	483	24.7
40 - 44	299	185	61.9	4	1.3	110	36.8
45 +	20	11	55.0	-	-	9	45.0
N.S.	908	2	0.2	2	0.2	904	99.6

Not all states participate in the data exchange system for Induced Abortions.
Fetal Deaths include only those of 20 weeks or more gestation.

FIGURE 15. PERCENT OF TOTAL PREGNANCIES TERMINATING IN LIVE BIRTHS OR ABORTIONS BY AGE GROUPS, OREGON, 1980

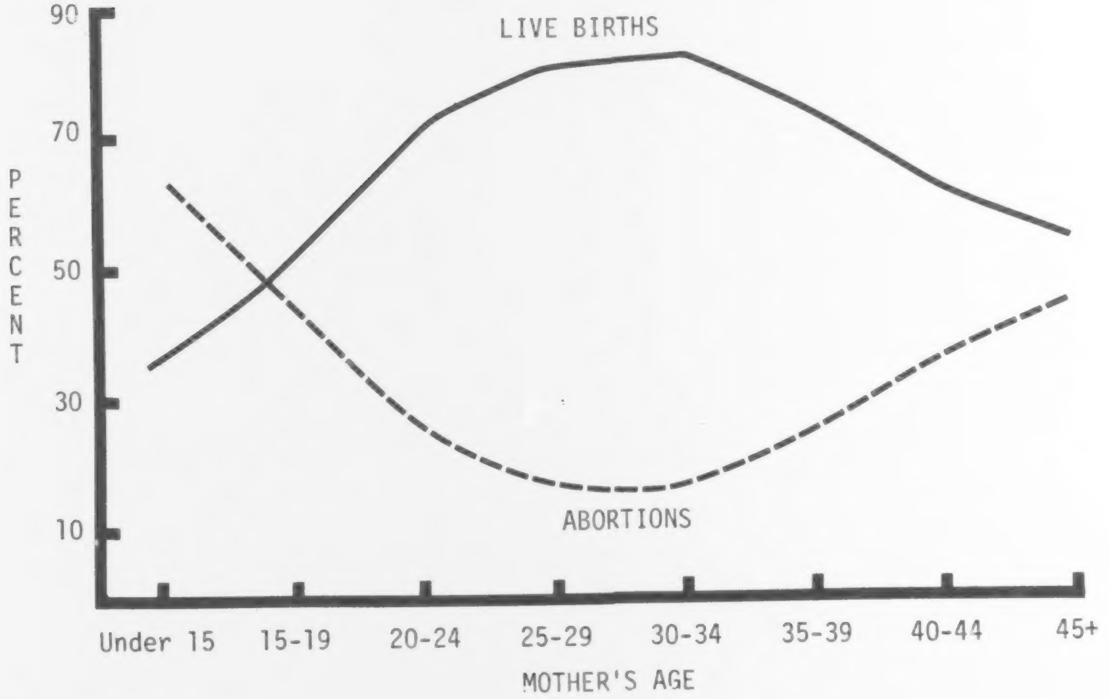


FIGURE 16. PERCENTAGE OF PREGNANCIES TERMINATING IN LIVE BIRTHS AND ABORTIONS, OREGON, 1970, 1975, 1980

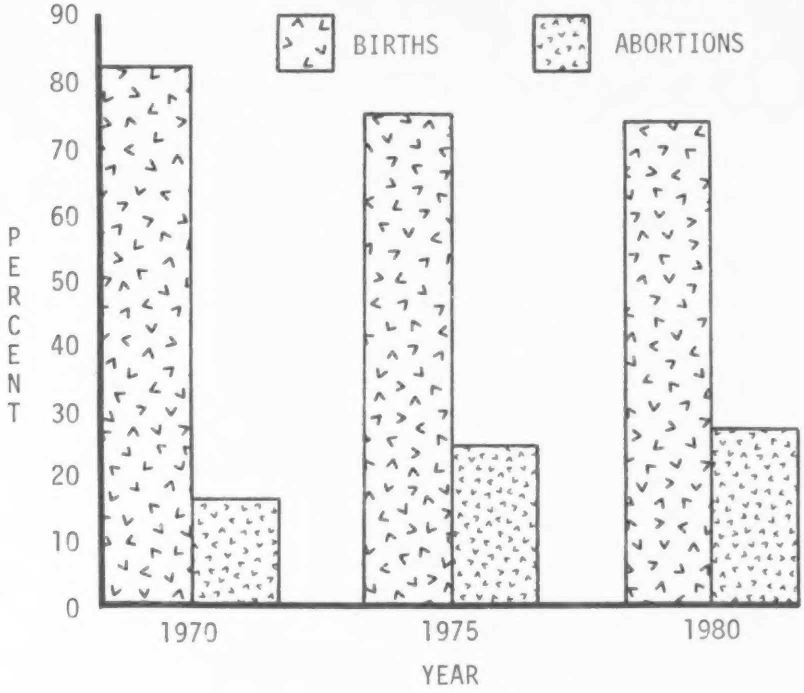


FIGURE 17. TEEN-AGE PREGNANCIES AND ABORTIONS, OREGON, 1970, 1975, 1980

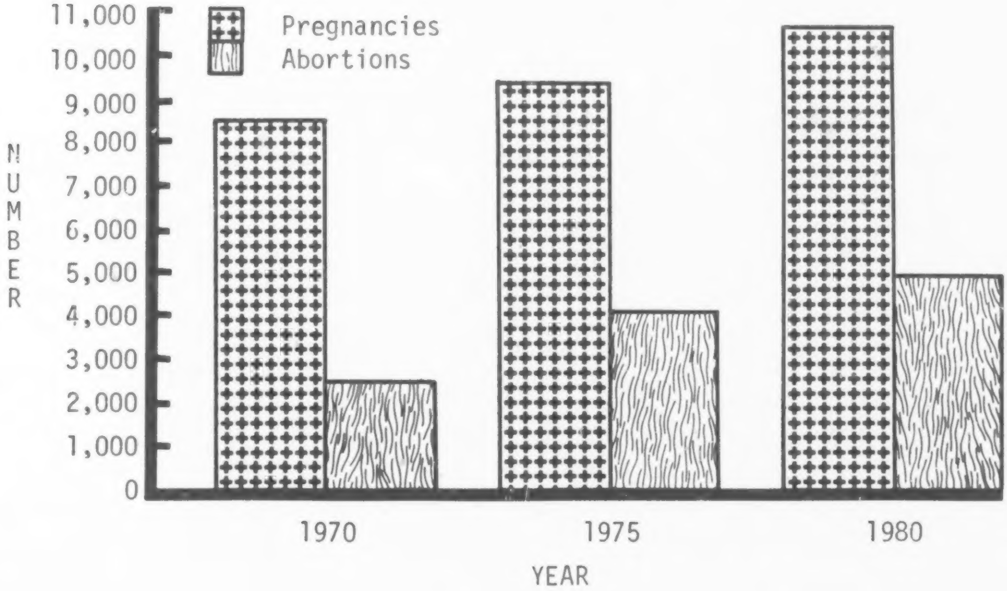


TABLE 22. INFANT, NEONATAL AND POST-NEONATAL DEATHS, 1980, BY MATERNAL RISK FACTORS AND INFANT CHARACTERISTICS FOR OREGON RESIDENTS AT BIRTH

RISK FACTORS	INFANT DEATH		NEONATAL DEATH		POST-NEONATAL	
	Number	Rate	Number	Rate	Number	Rate
AGE OF MOTHER						
17 or less	45	24.4	24	13.0	21	11.4
18-34 years	466	11.8	282	7.1	184	4.6
35+ years	23	13.9	15	*	8	*
MARITAL STATUS						
Married	392	10.7	238	6.5	154	4.2
Not Married	142	22.3	83	13.1	59	9.3
PRENATAL CARE BEGAN						
1st & 2nd Trimester	457	11.2	271	6.7	186	4.6
None or 3rd Trimester	45	26.1	24	13.9	21	12.2
EDUCATION OF MOTHER						
0-11 years	157	18.3	77	9.0	80	9.3
12 years	187	11.1	106	6.3	81	4.8
13+ years	162	9.8	112	6.8	50	3.0
PLURALITY OF BIRTH						
Single	487	11.5	279	6.6	208	4.9
Multiple	47	51.8	42	46.3	5	*
LIVE BIRTH ORDER						
1-3 births	483	12.3	293	7.4	190	4.8
4+ births	50	13.6	27	7.3	23	6.2
BIRTHWEIGHT						
1-1500 grams	193	545.2	178	502.8	15	42.4
1501-2500 grams	88	48.5	55	30.3	33	18.2
2501-4500 grams	246	6.2	86	2.2	160	4.0
4501+ grams	7	*	2	*	5	*
CONGENITAL ANOMALIES						
Yes	84	175.0	71	147.9	13	*
No	450	10.6	250	5.9	200	4.7
APGAR (5 minutes)						
0-7	241	127.4	209	110.5	32	16.9
8-10	253	6.3	79	2.0	174	4.3
SEX						
Male	296	13.5	172	7.8	124	5.6
Female	238	11.3	149	7.1	89	4.2
RACE OF CHILD						
White	497	12.4	295	7.3	202	5.0
Non-White	37	12.7	26	8.9	11	*

Rate per 1,000 Live Births
* Insufficient data for computation.

TABLE 23. TOTAL PREGNANCIES BY TYPE OF OUTCOME BY COUNTY OF RESIDENCE AND AGE, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	AGE GROUPS								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	59,283	200	10,527	20,198	17,345	7,830	1,956	299	20	908
Live Births	43,091	71	5,658	14,912	14,297	6,499	1,456	185	11	2
Fetal Deaths	294	-	36	109	88	38	17	4	-	2
Induced Abortions	15,898	129	4,833	5,177	2,960	1,293	483	110	9	904
BAKER	315	-	70	113	85	36	8	3	-	-
Live Births	259	-	50	94	75	32	7	1	-	-
Fetal Deaths	3	-	-	3	-	-	-	-	-	-
Induced Abortions	53	-	20	16	10	4	1	2	-	-
BENTON	1,498	4	206	518	476	229	57	5	1	2
Live Births	941	1	62	270	378	184	42	4	-	-
Fetal Deaths	3	-	-	1	1	1	-	-	-	-
Induced Abortions	554	3	144	247	97	44	15	1	1	2
CLACKAMAS	4,754	15	793	1,416	1,482	797	222	25	1	3
Live Births	3,561	1	341	1,063	1,274	699	166	17	-	-
Fetal Deaths	24	-	2	6	7	4	4	-	-	1
Induced Abortions	1,169	14	450	347	201	94	52	8	1	2
CLATSOP	666	1	110	247	190	96	20	2	-	-
Live Births	524	-	59	204	163	80	16	2	-	-
Fetal Deatha	7	-	-	2	5	-	-	-	-	-
Induced Abortions	135	1	51	41	22	16	4	-	-	-
COLUMBIA	725	5	132	266	212	83	21	5	1	-
Live Births	607	4	86	230	186	78	17	5	1	-
Fetal Deaths	6	-	-	2	3	1	-	-	-	-
Induced Abortions	112	1	46	34	23	4	4	-	-	-
COOS	1,299	4	266	485	339	153	37	7	1	7
Live Births	1,061	3	170	420	302	132	29	4	1	-
Fetal Deaths	6	-	1	2	2	1	-	-	-	-
Induced Abortions	232	1	95	63	35	20	8	3	-	7
CROOK	251	-	49	94	75	29	2	2	-	-
Live Births	220	-	36	85	70	26	1	2	-	-
Fetal Deaths	1	-	-	1	-	-	-	-	-	-
Induced Abortions	30	-	13	8	5	3	1	-	-	-
CURRY	298	-	45	112	80	50	10	1	-	-
Live Births	256	-	36	90	76	44	9	1	-	-
Fetal Deaths	3	-	-	2	-	-	1	-	-	-
Induced Abortions	39	-	9	20	4	6	-	-	-	-
DESCHUTES	1,415	5	214	494	435	214	43	10	-	-
Live Births	1,048	2	120	365	355	172	28	6	-	-
Fetal Deaths	8	-	-	3	2	1	2	-	-	-
Induced Abortions	359	3	94	126	78	41	13	4	-	-
DOUGLAS	1,941	5	410	729	514	217	55	9	2	-
Live Births	1,620	1	289	620	455	199	47	8	1	-
Fetal Deaths	8	-	1	4	2	1	-	-	-	-
Induced Abortions	313	4	120	105	57	17	8	1	1	-
GILLIAM	36	-	7	16	10	3	-	-	-	-
Live Births	30	-	3	15	10	2	-	-	-	-
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	6	-	4	1	-	1	-	-	-	-
GRANT	157	-	29	61	43	19	2	3	-	-
Live Births	129	-	20	52	36	18	1	2	-	-
Fetal Deaths	1	-	1	-	-	-	-	-	-	-
Induced Abortions	27	-	8	9	7	1	1	1	-	-
HARNEY	151	-	34	57	39	16	5	-	-	-
Live Births	131	-	23	52	39	15	2	-	-	-
Fetal Deaths	2	-	-	2	-	-	-	-	-	-
Induced Abortions	18	-	11	3	-	1	3	-	-	-
HOOD RIVER	305	-	56	117	85	37	10	-	-	-
Live Births	246	-	40	95	73	29	9	-	-	-
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	59	-	16	22	12	8	1	-	-	-
JACKSON	2,469	5	391	863	777	326	87	16	1	3
Live Births	2,034	3	261	740	678	280	63	9	-	-
Fetal Deaths	14	-	1	6	5	-	2	-	-	-
Induced Abortions	421	2	129	117	94	46	22	7	1	3
JEFFERSON	274	-	59	104	77	26	4	2	-	2
Live Births	218	-	41	86	63	22	3	2	-	1
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	56	-	18	18	14	4	1	-	-	1
JOSEPHINE	1,110	5	197	385	325	141	47	10	-	-
Live Births	912	4	144	321	279	123	37	4	-	-
Fetal Deaths	7	-	3	3	1	-	-	-	-	-
Induced Abortions	191	1	50	61	45	18	10	6	-	-
KLAMATH	1,290	4	301	458	351	127	41	6	1	1
Live Births	1,004	-	185	373	300	109	33	4	-	-
Fetal Deaths	7	-	-	4	2	1	-	-	-	-
Induced Abortions	279	4	116	81	49	17	8	2	1	1

TABLE 23. continued

COUNTY OF RESIDENCE	TOTAL	AGE GROUPS								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
LAKE	170	1	29	75	50	13	2	-	-	-
Live Births	146	1	20	64	46	13	2	-	-	-
Fetal Deaths	1	-	-	1	-	-	-	-	-	-
Induced Abortions	23	-	9	10	4	-	-	-	-	-
LANE	6,113	19	1,025	2,187	1,839	829	185	23	1	5
Live Births	4,324	6	505	1,514	1,471	679	134	15	-	-
Fetal Deaths	26	-	5	7	6	6	1	-	-	1
Induced Abortions	1,763	13	515	666	362	144	50	8	1	4
LINCOLN	766	4	116	282	234	100	26	3	1	-
Live Births	564	1	64	220	179	84	13	3	-	-
Fetal Deaths	7	-	1	2	1	2	1	-	-	-
Induced Abortions	195	3	51	60	54	14	12	-	1	-
LINN	1,899	8	393	694	533	200	59	10	1	1
Live Births	1,525	1	249	582	471	170	46	5	1	-
Fetal Deaths	7	-	1	4	2	-	-	-	-	-
Induced Abortions	367	7	143	108	60	30	13	5	-	1
MALHEUR	653	4	108	238	184	94	23	1	-	1
Live Births	556	1	79	206	169	81	19	1	-	-
Fetal Deaths	4	-	1	1	1	1	-	-	-	-
Induced Abortions	93	3	28	31	14	12	4	-	-	1
MARION	4,726	16	947	1,578	1,384	593	181	25	1	1
Live Births	3,637	6	558	1,217	1,193	504	141	17	1	-
Fetal Deaths	31	-	4	12	9	3	2	1	-	-
Induced Abortions	1,058	10	385	349	182	86	38	7	-	1
MORROW	154	-	35	45	47	21	5	1	-	-
Live Births	131	-	19	42	45	21	4	-	-	-
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	23	-	16	3	2	-	1	1	-	-
MULTNOMAH	14,435	65	2,721	5,038	4,184	1,889	455	72	4	7
Live Births	9,110	24	1,197	3,100	3,049	1,391	307	39	3	-
Fetal Deaths	67	-	7	25	21	12	1	1	-	-
Induced Abortions	5,258	41	1,517	1,913	1,114	486	147	32	1	7
POLK	886	2	158	301	273	119	26	5	-	2
Live Births	740	2	109	248	247	112	18	4	-	-
Fetal Deaths	3	-	1	1	1	-	-	-	-	-
Induced Abortions	143	-	48	52	25	7	8	1	-	2
SHERMAN	34	-	8	9	13	3	1	-	-	-
Live Births	31	-	7	7	13	3	1	-	-	-
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	3	-	1	2	-	-	-	-	-	-
TILLAMOOK	427	2	93	146	115	53	16	2	-	-
Live Births	339	-	64	125	95	44	11	-	-	-
Fetal Deaths	1	-	-	-	1	-	-	-	-	-
Induced Abortions	87	2	29	21	19	9	5	2	-	-
UMATILLA	1,425	3	256	568	375	173	37	11	1	1
Live Births	1,174	1	178	465	338	152	32	8	-	-
Fetal Deaths	11	-	1	8	-	1	-	1	-	-
Induced Abortions	240	2	77	95	37	20	5	2	1	1
UNION	542	-	109	190	158	64	18	3	-	-
Live Births	418	-	60	147	137	57	14	3	-	-
Fetal Deaths	1	-	1	-	-	-	-	-	-	-
Induced Abortions	123	-	48	43	21	7	4	-	-	-
WALLOWA	164	-	34	52	60	12	5	-	1	-
Live Births	133	-	17	45	55	12	3	-	1	-
Fetal Deaths	-	-	-	-	-	-	-	-	-	-
Induced Abortions	31	-	17	7	5	-	2	-	-	-
WASCO	455	1	84	171	131	43	20	1	1	3
Live Births	371	1	56	144	112	39	18	-	1	-
Fetal Deaths	3	-	1	1	1	-	-	-	-	-
Induced Abortions	81	-	27	26	18	4	2	1	-	3
WASHINGTON	5,314	15	825	1,612	1,783	849	191	33	1	5
Live Births	4,029	7	370	1,214	1,526	735	157	18	1	1
Fetal Deaths	20	-	3	2	10	2	3	-	-	-
Induced Abortions	1,265	8	452	396	247	112	31	15	-	4
WHEELER	20	-	3	9	6	1	-	1	-	-
Live Births	16	-	2	8	6	-	-	-	-	-
Fetal Deaths	2	-	-	-	-	1	-	1	-	-
Induced Abortions	2	-	1	1	-	-	-	-	-	-
YAMHILL	1,281	7	214	467	381	175	35	2	-	-
Live Births	1,046	1	138	389	333	158	26	1	-	-
Fetal Deaths	10	-	1	4	5	-	-	-	-	-
Induced Abortions	225	6	75	74	43	17	9	1	-	-
OREGON - COUNTY UNKNOWN	865	-	-	1	-	-	-	-	-	864
Induced Abortions	865	-	-	1	-	-	-	-	-	864

NOTE: Not all states participate in the data exchange system for Induced Abortions.

MORTALITY

USING DEATH DATA

Although death data is an important part of demographic projections, its most widespread use is in the public health arena. Mortality is only a crude indicator of health needs (intervening a little earlier in the problem would be preferable), but three factors make it indispensable to measuring health status: (1) Reporting is consistent nationwide, (2) 100% of the population is covered, and (3) Data have been recorded in Oregon since 1903, which makes trend analysis possible.

INFANT, NEONATAL, POST-NEONATAL DEATHS

An infant death is the death of a child prior to its first birthday. Two subcategories are used. Neonatal deaths are infants who die before they are 28 days old. Post-neonatal deaths are infants who die after 27 days but before one year. The infant deaths are included in the total deaths for Oregon. The neonatal, post-neonatal, and infant death rates are the number of deaths in each category per 1,000 live births during the same time period. Birthweight is a major determinant of the likelihood of infant death and should be taken into account when comparing death rates.

UNDERLYING CAUSE OF DEATH

The 1980 causes of death are assigned according to the World Health Organization International Classification of Diseases, Ninth Revision. This is a complicated process which attempts to reduce all of the information reported on the death certificates to the single cause which started the chain of events leading to death. It is important to remember that many people have more than one disease condition, but each person can only be counted once. Therefore, each classification does not reflect all cases of that particular disease; only those cases in which the disease was the underlying cause are counted. A supplemental cause is tabulated for several major secondary causes.

The classification scheme and rules for selection are changed periodically to reflect new data needs, and each revision causes a break in comparability between years of data. Although broad categories, such as heart disease, are not seriously affected, rates for more specific causes, such as hypertensive heart disease, sometimes change drastically. New revisions were introduced in 1949, 1958, 1968, and 1979. Large changes in the causes of death occurring in those single years should be viewed with caution.

ACCIDENT GEOGRAPHY

In assigning the geographical location for accidental deaths, the two usual classifications are used: the place where the decedent resided (residence) and the place where the decedent died (occurrence). However, a third category is required: the place where the accident occurred (accident occurrence). Since an individual who lives in Multnomah county can have an automobile accident in Washington county and later die in a Clackamas county hospital, the three figures are different and have different uses.

DEATH RATES

The death rate is the number of deaths per 1,000 population. This rate is often called crude because it fails to reflect enormous age, sex, and race differences in the probability of dying. When comparing two areas or years with different age, sex, and race distributions, specific rates are necessary. The specific rates compare the number of deaths in a particular category (white males, for example) to the population in that same category. These specific rates become cumbersome when many categories are used (imagine comparing eleven age categories and three race categories at the same time). Several methods can be used to summarize these specific rates into one number, and they are described in the appendix. In order to avoid inconvenient decimal places, cause-specific rates are reported as the number of deaths in each category per 100,000 population.

YEARS OF LOST LIFE

The deaths of young people are of a greater "cost" to society than deaths of older people in terms of lost years. The years of lost life index multiplies the number of deaths in each category by the average number of years remaining in their lifetime. (Statisticians usually assume individuals have 70 years of "productive" life.) This method places more emphasis on causes which affect the young. As with any death rate, when used for comparative purposes, this index should be age standardized.

MORTALITY, 1980

The death rate has been declining gradually for the past four decades, reaching 8.3 in 1980. But while the overall death rate decreased 26% between 1940 and 1980, the age specific death rates have declined more sharply. The explanation for the slower decline in the overall death rate than in the individual age categories is that older people now make up a larger proportion of our population. The median age at death in 1980 was 73.6 compared to 70.4 in 1960 and 66.1 in 1940. The proportion of deaths occurring to people over 65 has increased steadily from 53% in 1940 to 69% in 1980 (Figure 18). An exception to this pattern is the 15-24 age group. The death rate in this category registered a small but significant increase between 1960 and 1970 and a small decrease in 1980. (Figure 19).

NEONATAL DEATHS

The most dramatic improvement in the death rate has occurred in the neonatal category. The proportion of infants dying before they reach 28 days of age decreased from 28.8 per thousand in 1940 and 10.8 per thousand in 1970 to 7.0 in 1980. The Oregon neonatal death rate has consistently been lower than the U.S. rate.

POST-NEONATAL DEATHS

But the rate of death for infants between 27 days and 1 year has not shown such dramatic improvement in recent years. The 1980 rate of 5.1 per 1,000 live births is not significantly lower than the rates of a decade ago. The failure to show improvement in post-neonatal deaths is not a nationwide trend. The Oregon post-neonatal death rate has been lower than the national rate only one year since 1968. In fact, the gap between the neonatal and post-neonatal death rate has almost closed. Ten years ago, 31% of Oregon infant deaths occurred in the post-neonatal period. In 1980, 42% were of this age group. As changes occur in the ages of infants who die, strategies for improving the infant death rate must also change.

Both the neonatal and post-neonatal death rates increased slightly in 1980. These differences are not statistically significant from the 1979 rates, however, and probably represent chance variation (Figure 20).

POST INFANT DEATHS

A baby who lives to be one year old has survived the critical period since the death rate drops dramatically until age 14. At age 15 the death rate begins increasing again. For people in the 55-64 year category the death rate is greater than for infants.

SEX

The death rate for males is 29% greater than for females. The difference by sex exists at all age categories, but is most pronounced in the 15-24 year age groups -- the rate for males (167.8 per 100,000 population) is more than two and a half times the rate for females (63.6). As a result, our population is disproportionately weighted with females in the older age groups, despite the fact that more boys than girls are born. But the gap between death rates of males and females is closing. Although the years since 1970 have registered greater improvement in the death rate of females between 25 and 44, the improvements after age 45 (when most deaths occur) have been predominantly male. Although male death rates remained stable or dropped in all age categories in the past year, half of the female categories increased (Table 24).

RACE Death rates also vary by race, but because the age structure of the nonwhite and white population is different, this factor must be taken into account. Although adult deaths cannot be compared until the 1980 census data are released, infant death information is available. The 1976-1980 infant death rate for blacks (17.6 per 1,000 births) is nearly one and a half times the rate for whites (12.1). The rate for Indians is slightly lower than blacks (16.5), but still remains one-and-a-third times the white rate. Although the gap between infant death rates for blacks and whites has narrowed during the past decade, the gap between whites and Indians has widened. It is important to note, too, that the rules for coding the race of infants of mixed heritage are not the same for birth certificates and death certificates. If only the race at birth is considered, the death rates for blacks and Indians are even higher. The rates for Chinese and Japanese infants and other nonwhite infants are lower than the rates for white infants (Figure 21).

LEADING CAUSES No changes have occurred in the proportionate ranking of the four leading causes of death for many years. Heart disease leads with a rate of 290.9 deaths per 100,000 population and accounts for more than one-third of all deaths. The small rise in the 1980 rate is the first time an increase has been registered in nine years.

Cancer, the second leading cause, registered an opposite trend. The rate of deaths due to cancer, which has been rising slightly for many years, showed a small decline in 1980. The cancer rate of 175.7 per 100,000 population accounts for slightly more than a fifth of all resident deaths. The lung remains the most frequent primary cancer site for males, the breast for females. Whether these small reverses between the 1979 and 1980 rates for deaths due to heart disease and cancer represent true changes in the trends or are simply due to chance variation remains to be seen.

Cerebrovascular disease continued its seven year decline to 76.8 deaths per 100,000 population, but still remains the third leading cause of death. And accidents remained fourth with a rate of 50.1. These four leading causes were followed by (in decreasing order of proportion of deaths): (5th) bronchitis, emphysema, asthma, and chronic obstructive pulmonary disease; (6th) influenza and pneumonia; (7th) arteriosclerosis; (8th) suicide; (9th) alcoholic diseases; and (10th) diabetes (Figure 22).

AGE DIFFERENCES IN CAUSES

This list of leading causes does not apply to all age groups, however. For example, 90% of the deaths due to cerebrovascular disease occurred to people over 64 years old, but only 23% of the deaths due to accidents occurred in this same age group. If the diseases are ranked by their "cost" in terms of years of lost life which emphasizes deaths at the younger ages, then accidents become the leading cause of death, followed by cancer, heart disease, and certain perinatal conditions in that order. This method adds congenital anomalies, sudden infant death syndrome, and homicide to the list of 10 leading causes. Alcoholic diseases, suicide, and cerebrovascular diseases are ranked as leading causes by both methods (Figure 23).

SEX DIFFERENCE IN CAUSES

The ranking of causes of death also varies by sex. Because accidents primarily affect males (70%) and cerebrovascular diseases primarily affect females (60%), these two causes switch place as the third and fourth leading causes by proportion of deaths. The death rate for women is higher than for men for cerebrovascular disease, influenza and pneumonia, arteriosclerosis, and diabetes. Males have higher rates for all other major causes (Table 29).

EXTERNAL FACTORS CAUSING DEATH

Deaths due to external agents are of particular interest because they are theoretically preventable. In 1980, 1,908 deaths were due to accident, suicide, homicide, or an undetermined non-natural cause. An additional 362 people died from diseases which were directly due to alcohol and drug use. And an additional 239 death certificates mentioned alcohol and drug use as a contributing, but not underlying, cause. The automobile is the overwhelming villain of external agents (710 deaths involved some type of motor vehicle); followed by poisons, including drugs and alcohol (505 deaths); and guns (352 deaths, mostly suicides). If other external factors, such as smoking, poor exercise habits, inadequate nutrition, and exposure to carcinogens, could be counted, then the number of deaths due to external causes would be much greater than the current 12%. (Table 32)

TABLE 24. AGE SPECIFIC DEATH RATES BY SEX, OREGON, 1940, 1950, 1960, 1970, 1975-1980

YEAR & SEX	TOTAL	AGE GROUPS					
		0 - 4	5 - 14	15-24	25-44	45-64	65+
1940 Deaths	1131.4	953.9	116.6	199.1	317.7	1322.7	7154.3
Male	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female	912.7	778.1	91.9	130.4	258.2	944.7	6395.2
1950 Deaths	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male	1097.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female	722.6	515.6	48.7	73.0	166.0	771.9	5025.0
1960 Deaths	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
1970 Deaths	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male	1107.6	437.8	56.5	198.9	241.7	1375.4	6893.0
Female	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
1975 Deaths	878.5	364.8	32.5	118.0	164.4	925.1	5419.6
Male	1016.0	414.9	39.5	171.2	224.4	1239.7	6551.6
Female	747.2	312.5	25.3	64.9	107.4	631.0	4553.3
1976 Deaths	873.7	313.8	40.6	113.5	159.0	940.7	5384.1
Male	1005.2	350.6	52.5	160.0	221.1	1234.1	6532.4
Female	748.1	275.3	28.1	66.8	100.0	667.4	4470.4
1977 Deaths	853.8	315.4	41.3	125.1	166.0	896.4	5236.9
Male	984.2	376.4	51.8	183.7	231.5	1198.4	6311.3
Female	729.3	251.5	30.4	65.8	103.7	616.3	4424.5
1978 Deaths	844.3	303.0	39.9	117.7	159.3	888.1	5273.2
Male	965.7	330.4	50.4	174.5	228.4	1170.1	6303.4
Female	728.3	274.5	29.1	59.8	93.9	627.1	4486.9
1979 Deaths	826.4	267.1	33.4	110.7	156.1	869.1	5181.5
Male	956.1	308.2	42.5	167.8	227.9	1157.5	6308.5
Female	702.7	224.3	23.9	52.3	87.7	603.4	4333.3
1980 Deaths	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female	724.1	286.1	26.7	63.6	87.5	602.9	4209.3

All rates per 100,000 population within the specific age group.

FIGURE 18. PROPORTION OF DEATHS BY SELECTED AGE GROUPS, OREGON, 1920-1980

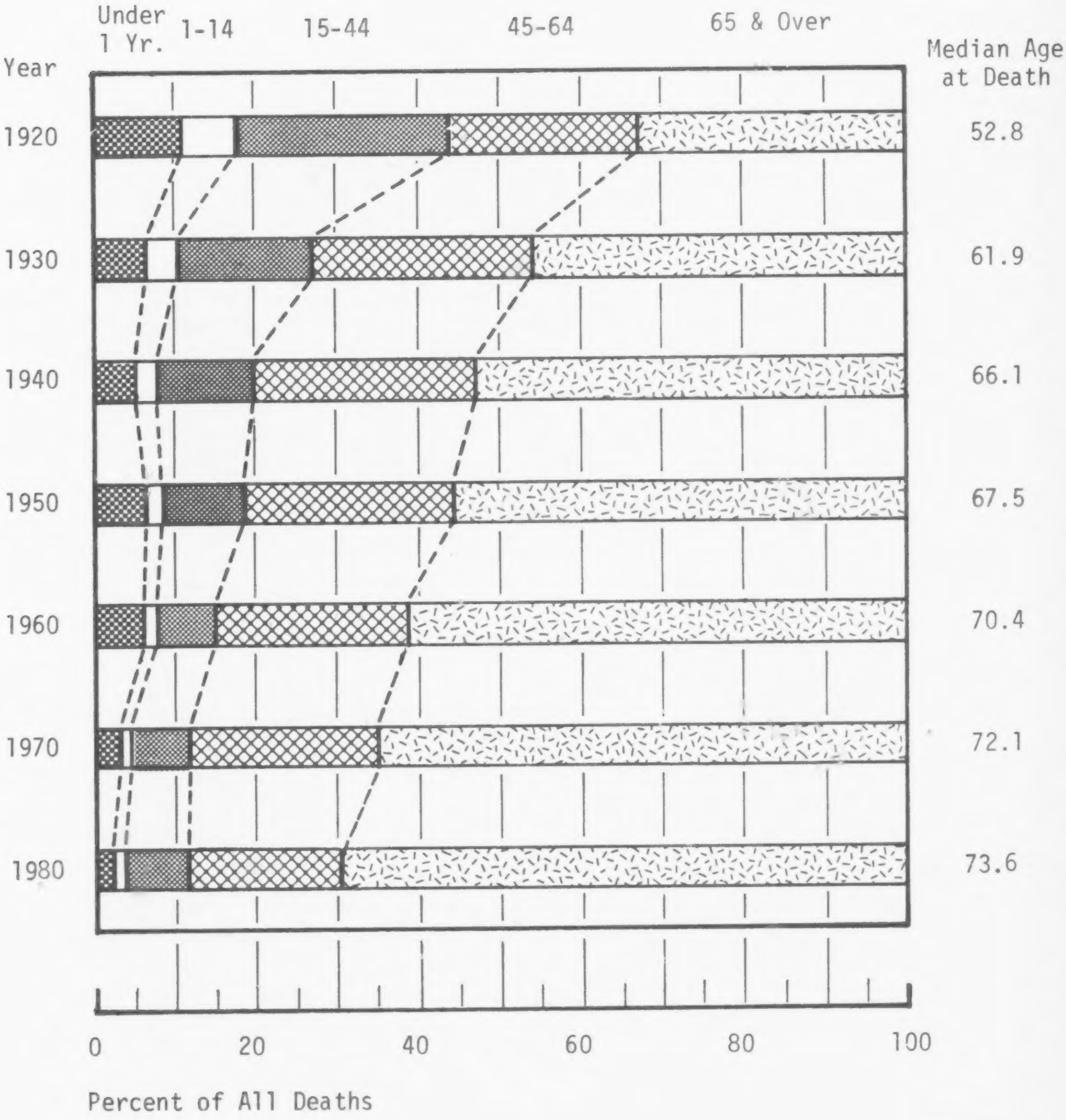


FIGURE 19. AGE-SPECIFIC DEATH RATES BY SEX, OREGON, 1940-1980

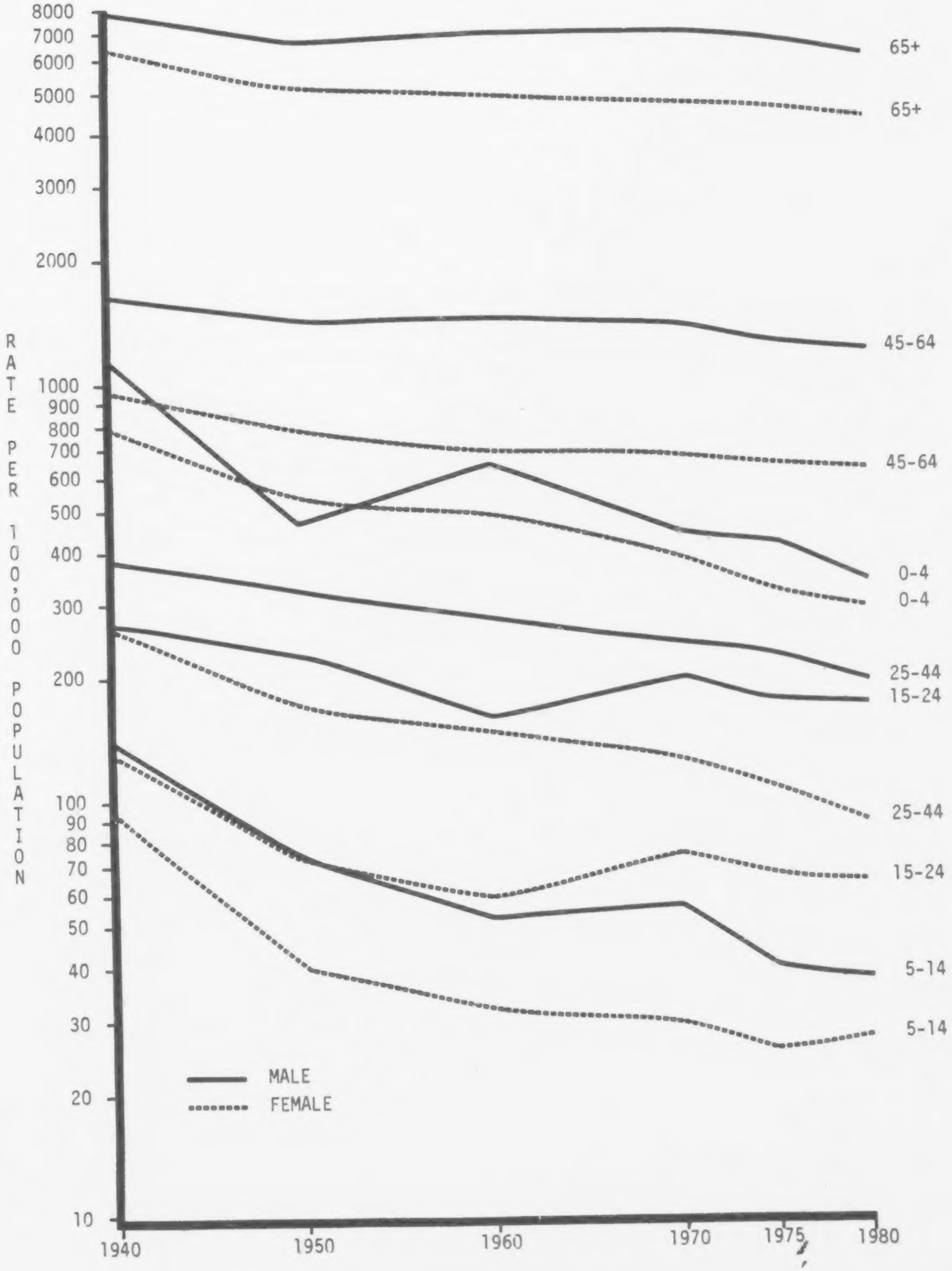


FIGURE 20. INFANT DEATH RATE BY AGE OF INFANT AT TIME OF DEATH, OREGON, 1945-1980

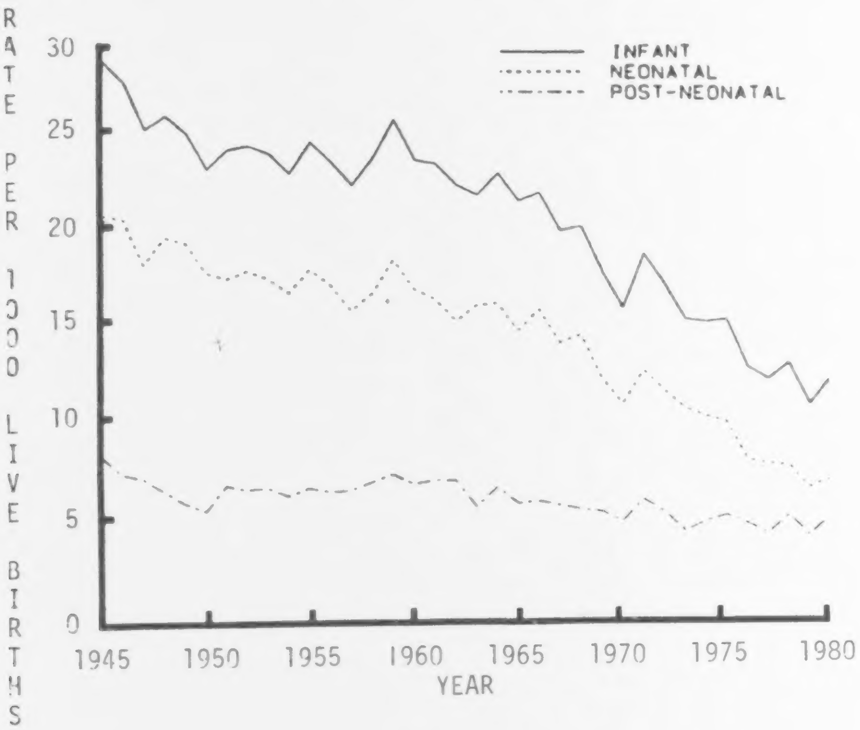


FIGURE 21. FIVE-YEAR RESIDENT INFANT DEATH RATES BY RACE, OREGON, 1956-1980

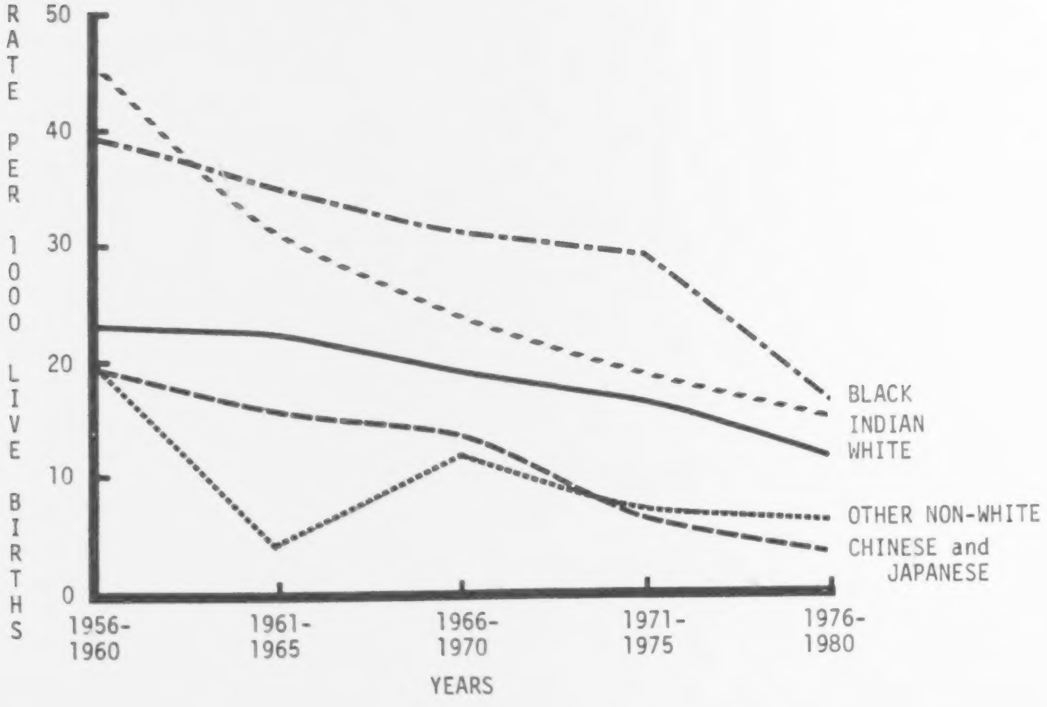


FIGURE 22. RATES OF SELECTED CAUSES OF DEATH, OREGON RESIDENTS, 1955-1980

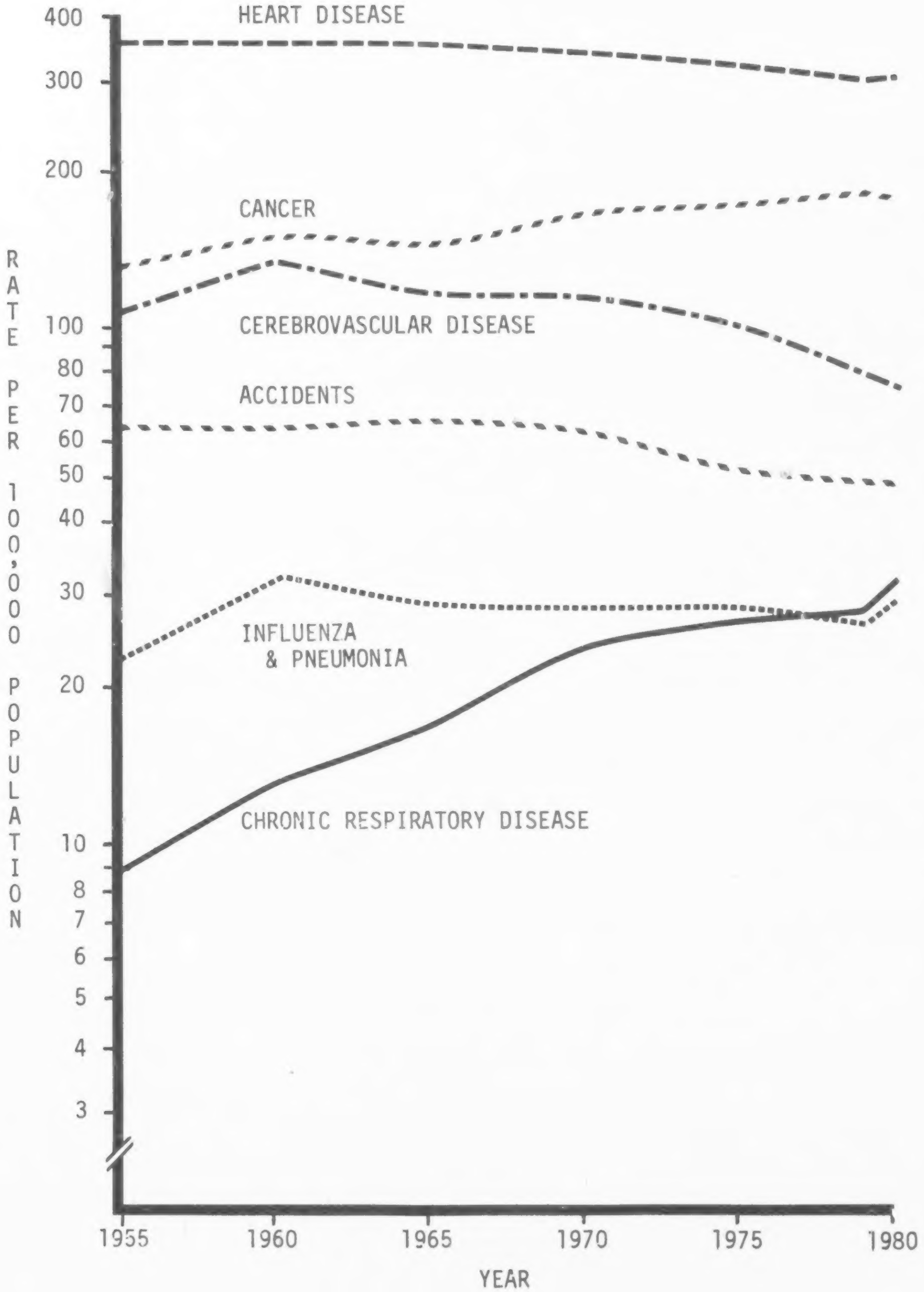
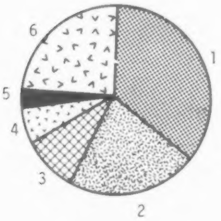
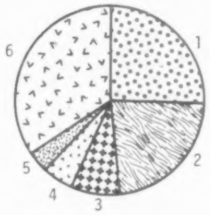
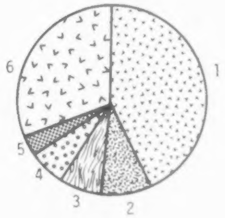
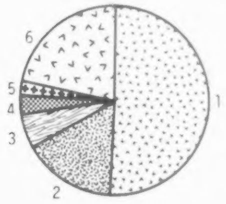


TABLE 25. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1960-1980

YEAR	TOTAL	MAJOR CARDIOVASCULAR DISEASES			MALIGNANT NEOPLASMS	DIABETES MELLITUS	INFLUENZA & PNEUMONIA	CHRONIC RESPIRATORY DISEASES1/	CIRHOSIS OF LIVER	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	EXTERNAL CAUSES		
		Diseases of Heart	Cerebrovascular Disease	Arteriosclerosis								Accident	Suicide	Homicides
1960	16,787	6,301	2,345	349	2,688	229	530	223	161	522	185	1,141	232	43
1961	16,885	6,534	2,097	403	2,647	206	677	317	164	487	204	1,125	196	47
1962	17,221	6,576	2,181	397	2,763	284	641	308	215	451	218	1,118	237	70
1963	18,017	6,878	2,339	475	2,865	272	673	362	187	456	172	1,204	261	58
1964	18,138	7,035	2,358	471	2,879	282	643	369	199	421	185	1,230	260	40
1965	18,133	6,922	2,276	467	2,925	270	527	329	260	379	174	1,311	304	76
1966	18,979	7,156	2,405	496	3,046	279	766	430	290	385	179	1,302	253	68
1967	18,908	7,157	2,361	502	3,175	255	553	403	261	344	161	1,424	268	61
1968	19,017	7,182	2,308	466	3,278	284	610	464	259	352	164	1,245	302	67
1969	19,548	7,349	2,407	454	3,287	310	698	464	257	306	185	1,325	289	83
1970	19,530	7,158	2,429	461	3,493	312	554	520	288	298	149	1,347	303	93
1971	20,087	7,492	2,377	455	3,608	285	566	577	338	314	175	1,314	319	81
1972	20,216	7,581	2,453	433	3,594	290	599	529	348	272	158	1,379	301	116
1973	20,881	7,569	2,593	501	3,718	331	782	633	367	240	154	1,307	364	112
1974	20,320	7,441	2,408	451	3,762	272	584	609	365	228	160	1,354	362	123
1975	20,142	7,342	2,355	429	3,917	310	606	624	331	233	153	1,204	361	130
1976	20,459	7,306	2,264	445	4,065	300	800	664	348	177	157	1,257	351	96
1977	20,457	7,239	2,096	445	4,283	284	562	625	377	194	168	1,324	399	125
1978	20,870	7,249	2,079	485	4,447	297	658	698	312	190	168	1,387	385	125
1979	21,024	7,329	2,041	444	4,608	285	608	728	352	195	165	1,367	351	113
1980	21,756	7,659	2,021	486	4,625	297	704	829	349	219	160	1,319	388	145
1960	949.1	356.3	132.6	19.7	152.0	12.9	30.0	12.6	9.1	29.5	10.5	64.5	13.1	2.4
1961	929.6	359.7	115.5	22.2	145.7	11.3	37.3	17.5	9.0	26.8	11.2	61.9	10.8	2.6
1962	943.5	360.3	119.5	21.8	151.4	15.6	35.1	16.9	11.8	24.7	11.9	61.3	13.0	3.8
1963	970.6	370.5	126.0	25.6	154.4	14.7	36.3	19.5	10.1	24.6	9.3	64.9	14.1	3.1
1964	951.6	369.1	123.7	24.7	151.0	14.8	33.7	19.4	10.4	22.1	9.7	64.5	13.6	2.1
1965	919.5	351.0	115.4	23.7	148.3	13.7	26.7	16.7	13.2	19.2	8.8	66.4	15.4	3.9
1966	949.1	357.8	120.3	24.8	152.3	14.0	38.3	21.5	14.5	19.3	9.0	65.1	12.7	3.4
1967	942.4	356.7	117.7	25.0	158.2	12.7	27.6	20.1	13.0	17.1	8.0	71.0	13.4	3.0
1968	927.3	350.2	112.5	22.7	159.8	13.8	29.7	22.6	12.6	17.2	8.0	60.7	14.7	3.3
1969	939.1	353.0	115.6	21.8	157.9	14.9	33.5	22.3	12.3	14.7	8.9	63.7	13.9	4.0
1970	933.8	342.3	116.1	22.0	167.0	14.9	26.5	24.9	13.8	14.2	7.1	64.4	14.5	4.4
1971	937.3	349.6	110.9	21.2	168.4	13.3	26.4	26.9	15.8	14.7	8.2	61.3	14.9	3.8
1972	926.0	347.2	112.4	19.8	164.6	13.3	27.4	24.2	15.9	12.5	7.2	63.2	13.8	5.3
1973	938.5	340.2	116.5	22.5	167.1	14.9	35.1	28.5	16.5	10.8	6.9	58.7	16.4	5.0
1974	896.7	328.4	106.3	19.9	166.0	12.0	25.8	26.9	16.1	10.1	7.1	59.3	16.0	5.4
1975	876.1	319.4	102.4	18.7	170.4	13.5	26.4	27.1	14.4	10.1	6.7	52.4	15.7	5.7
1976	873.7	312.0	96.7	19.0	173.6	12.8	34.2	28.4	14.9	7.6	6.7	53.7	15.0	5.1
1977	853.8	302.1	87.5	18.6	178.7	11.9	23.5	26.1	15.7	8.1	7.0	55.3	16.7	5.2
1978	844.3	293.2	84.1	19.6	179.9	12.0	26.6	28.2	12.6	7.7	6.8	56.1	15.6	5.1
1979	826.4	288.1	80.2	17.5	181.1	11.2	23.9	28.6	13.8	7.7	6.1	53.7	13.8	4.4
1980	826.4	290.9	76.8	18.5	175.7	11.3	26.7	31.5	13.3	8.3	6.1	50.1	14.7	5.5

1/ Includes Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Disease
All rates per 100,000 population.

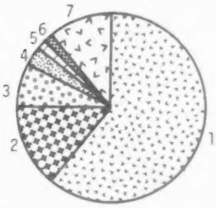
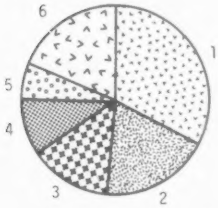
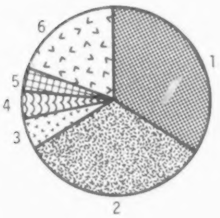
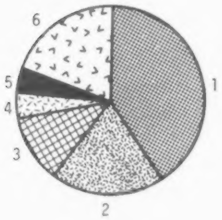
TABLE 26. THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUPS, OREGON, 1980

AGE AND CAUSE OF DEATH			BOTH SEXES		Rate	
			Number	%	Male	Female
ALL AGES		ALL CAUSES[1/]	21,756	100.0	931.8	724.1
	1.	Diseases of the Heart	7,659	35.2	339.0	244.3
	2.	Malignant Neoplasms	4,625	21.3	194.6	157.3
	3.	Cerebrovascular Diseases	2,021	9.3	62.1	91.0
	4.	Accidents	1,319	6.1	70.7	30.1
	5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Disease	830	3.8	43.3	20.1
	6.	All Other Causes	5,302	24.4	222.1	181.3
UNDER 1 YEAR		ALL CAUSES[2/]	521	100.0	1302.3	1112.2
	1.	Sudden Infant Death Syndrome	132	25.3	355.2	255.6
	2.	Congenital Anomalies	120	23.0	291.4	265.0
	3.	Respiratory Distress Syndrome	43	8.3	118.4	80.5
	4.	Birth Trauma without Mention of Cause	28	5.4	91.1	37.9
	5.	Anoxic & Hypoxic Conditions	17	3.3	18.2	61.5
	6.	All Other Causes	181	34.7	428.0	411.7
1 - 4 YEARS		ALL CAUSES	94	100.0	---	---
	1.	Accidents	40	42.6	---	---
	2.	Malignant Neoplasms	8	8.5	---	---
	3.	Congenital Anomalies	7	7.4	---	---
	4.	Homicides	6	6.4	---	---
	5.	Diseases of the Heart	3	3.2	---	---
	6.	All Other Causes	30	31.9	---	---
5 - 14 YEARS		ALL CAUSES	125	100.0	36.9	26.7
	1.	Accidents	63	50.4	18.4	13.6
	2.	Malignant Neoplasms	20	16.0	6.0	4.2
	3.	Congenital Anomalies	7	5.6	1.5	2.1
	4.	Diseases of the Heart	4	3.2	1.0	1.0
	5.	Suicides	3	2.4	1.5	-
	6.	All Other Causes	28	22.4	8.5	5.8

[1/] Includes 2 with age not stated
All rates, except under 1 year, per 100,000 population within the specific age group.

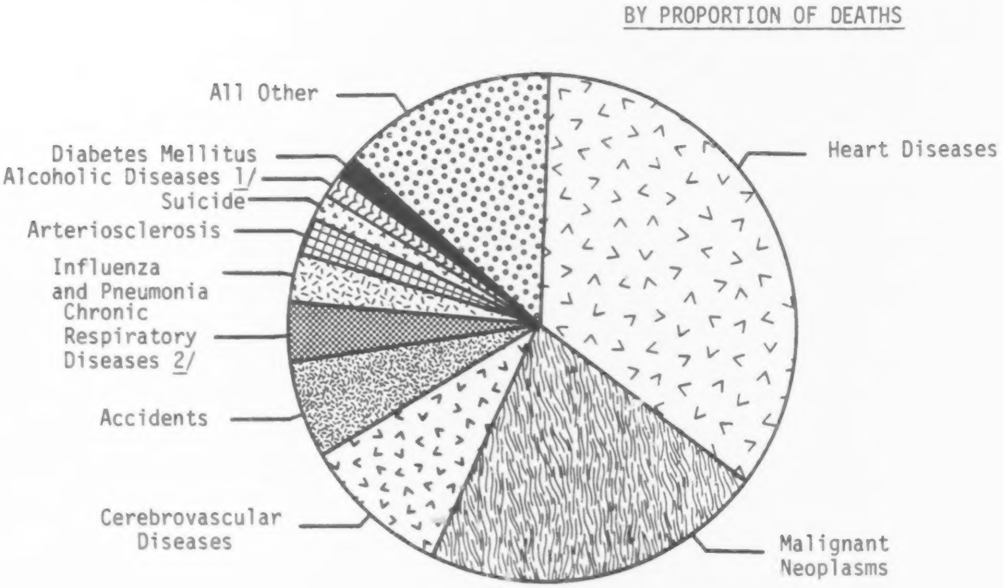
[2/] Rate per 100,000 live births

TABLE 26. Continued

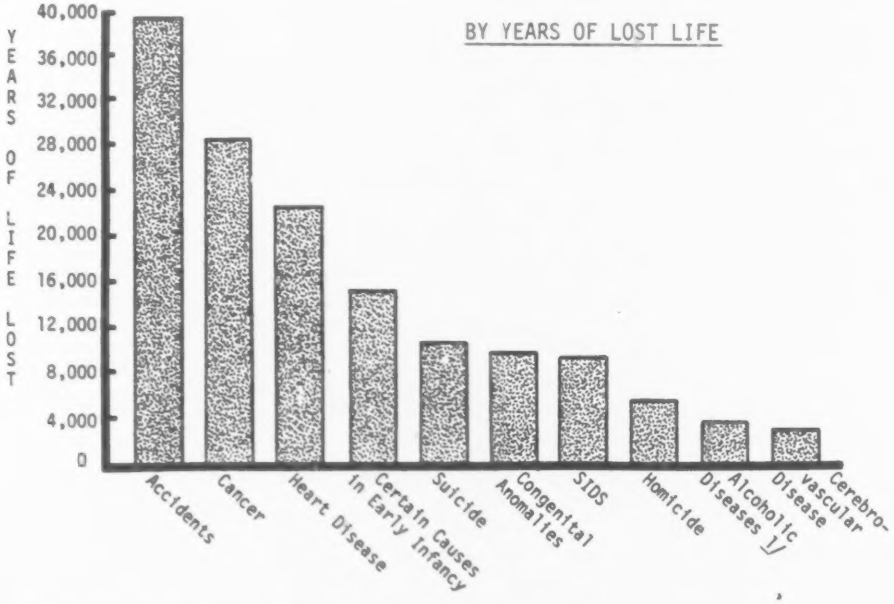
AGE AND CAUSE OF DEATH			BOTH SEXES		Rate	
			Number	%	Male	Female
15 - 24 YEARS		ALL CAUSES	537	100.0	167.8	63.6
	1.	Accidents	325	60.5	102.8	37.2
	2.	Suicide	77	14.3	27.1	6.1
	3.	Homicides	38	7.1	11.2	5.2
	4.	Malignant Neoplasms	20	3.7	5.2	3.5
	5.	Injuries Undetermined Whether Accidentally or Purposely Inflicted	8	1.5	3.4	-
	6.	Diseases of the Heart	8	1.5	1.7	1.7
	7.	All Other Causes	61	11.4	16.3	10.0
25 - 44 YEARS		ALL CAUSES	1,105	100.0	193.4	87.5
	1.	Accidents	360	32.6	75.2	16.2
	2.	Malignant Neoplasms	204	18.5	22.0	30.0
	3.	Suicide	155	14.0	30.6	8.7
	4.	Diseases of the Heart	108	9.8	22.0	5.4
	5.	Homicide	65	5.9	10.1	6.4
	6.	All Other Causes	213	19.3	33.4	20.8
45 - 64 YEARS		ALL CAUSES	4,277	100.0	1,157.4	602.8
	1.	Diseases of the Heart	1,465	34.3	463.1	144.2
	2.	Malignant Neoplasms	1,383	32.3	305.9	258.8
	3.	Accidents	221	5.2	65.3	26.0
	4.	Alcoholic Diseases	203	4.7	64.5	19.7
	5.	Cerebrovascular Diseases	182	4.3	40.9	33.5
	6.	All Other Causes	823	19.2	217.8	120.6
65 YEARS & OVER		ALL CAUSES	15,095	100.0	6,013.3	4,209.3
	1.	Diseases of the Heart	6,067	40.2	2,477.2	1,647.1
	2.	Malignant Neoplasms	2,974	19.7	1,287.4	753.2
	3.	Cerebrovascular Diseases	1,809	12.0	535.3	641.8
	4.	Pneumonia & Influenza	647	4.3	237.0	195.8
	5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Disease	646	4.3	348.6	112.5
	6.	All Other Causes	2,952	19.6	1,127.8	858.8

NOTE: "Alcoholic Diseases" includes Alcoholic Cirrhosis of Liver, Alcoholism, & Alcoholic Psychosis

FIGURE 23. TEN LEADING CAUSES OF DEATH RANKED BY PROPORTION OF DEATHS AND BY YEARS OF LOST LIFE, OREGON RESIDENTS, 1980

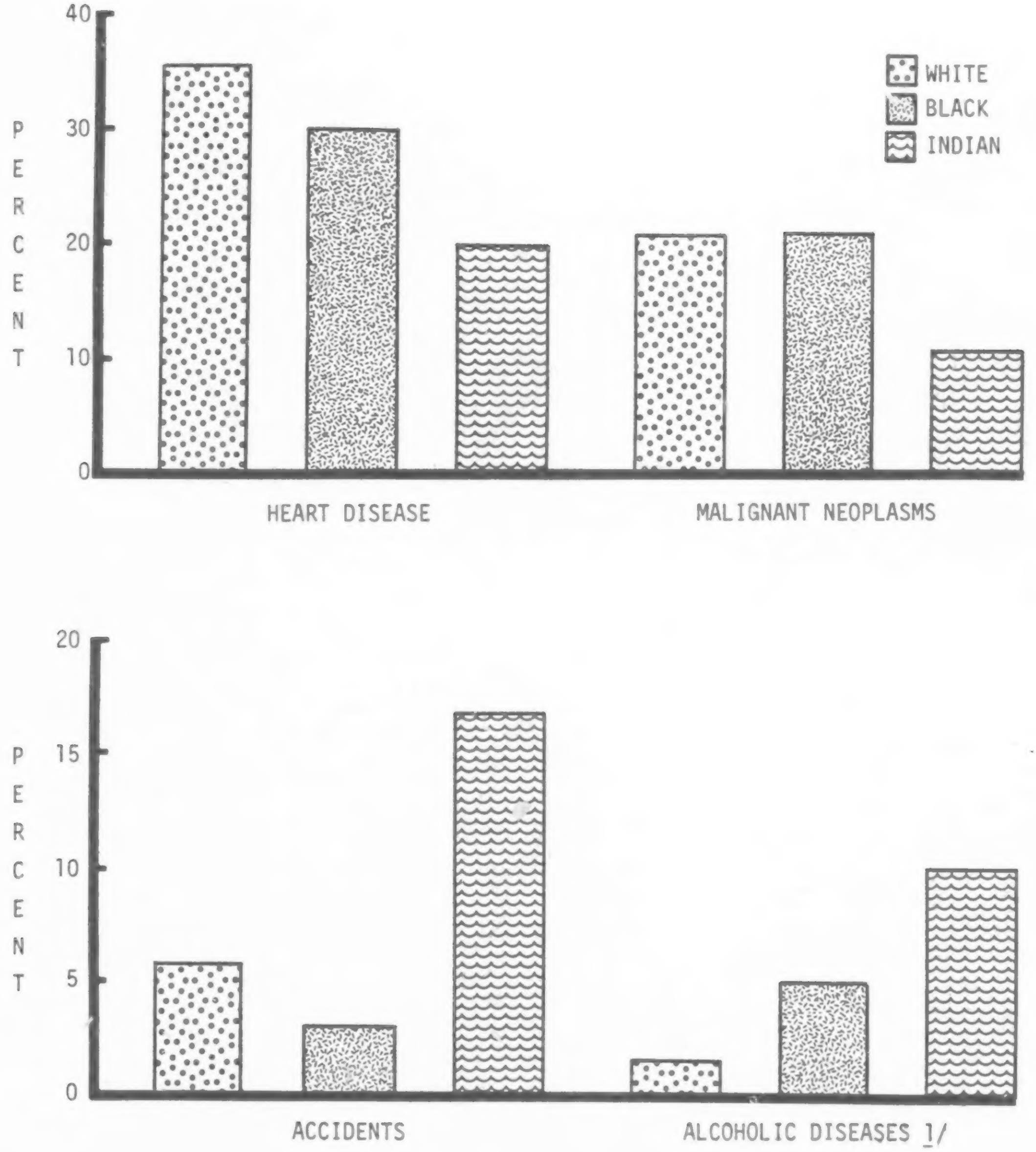


1/ Includes Alcoholism, Alcoholic Cirrhosis and Alcoholic Psychosis
2/ Includes Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Disease



1/ Includes Alcoholism, Alcoholic Cirrhosis, and Alcoholic Psychosis

FIGURE 24. PERCENT OF DEATHS BY RACE FOR SELECTED CAUSES, OREGON, 1980



1/ Includes Alcoholism, Alcoholic Cirrhosis, and Alcoholic Psychosis

TABLE 27. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1980

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
	ALL CAUSES	21,756	521	94	125	537	527	578	1,249	3,028	5,004	5,707	4,384	2
	MALE	12,080	286	54	74	390	375	389	793	1,954	3,069	2,992	1,702	2
	FEMALE	9,676	235	40	51	147	152	189	456	1,074	1,935	2,715	2,682	-
	I. INFECTIVE AND PARASITIC DISEASES													
010-018	Tuberculosis, All Forms	21	-	-	-	-	-	1	3	3	6	3	5	-
	Male	13	-	-	-	-	-	1	1	2	3	3	3	-
	Female	8	-	-	-	-	-	-	2	1	3	-	2	-
038	Septicemia	69	-	1	-	-	-	1	5	13	12	21	16	-
	Male	35	-	-	-	-	-	1	3	8	9	9	5	-
	Female	34	-	1	-	-	-	-	2	5	3	12	11	-
070	Viral Hepatitis	9	-	-	1	1	-	2	-	3	-	2	-	-
	Male	4	-	-	1	-	-	1	-	1	-	1	-	-
	Female	5	-	-	-	1	-	1	-	2	-	1	-	-
Residual of 001-139	Other Infective & Parasitic Diseases	65	2	4	3	7	2	1	2	12	11	11	10	-
	Male	37	1	2	3	3	2	-	-	8	7	4	7	-
	Female	28	1	2	-	4	-	1	2	4	4	7	3	-
	II. NEOPLASMS													
140-208	Malignant Neoplasms	4,625	2	8	20	34	68	136	403	980	1,417	1,110	447	-
	Male	2,523	1	7	12	28	27	60	194	532	812	624	226	-
	Female	2,102	1	1	8	6	41	76	209	448	605	486	221	-
140-149	Of Buccal Cavity & Pharynx	78	-	-	1	1	-	3	7	22	25	14	5	-
	Male	41	-	-	-	1	-	-	7	13	13	7	-	-
	Female	37	-	-	1	-	-	3	-	9	12	7	5	-
150-159	Of Digestive Organs & Peritoneum	1,187	-	-	1	1	9	18	65	221	376	335	161	-
	Male	619	-	-	-	1	6	13	30	127	211	164	67	-
	Female	568	-	-	1	-	3	5	35	94	165	171	94	-
150	Esophagus	82	-	-	-	-	1	1	6	19	31	17	7	-
	Male	58	-	-	-	-	1	-	3	14	28	8	4	-
	Female	24	-	-	-	-	-	1	3	5	3	9	3	-
151	Stomach	153	-	-	-	1	2	4	7	28	46	44	21	-
	Male	93	-	-	-	1	1	3	3	20	28	26	11	-
	Female	60	-	-	-	-	1	1	4	8	18	18	10	-
153	Large Intestine (Exc. Rectum)	488	-	-	-	-	2	8	27	86	159	134	72	-
	Male	241	-	-	-	-	2	5	11	44	84	66	29	-
	Female	247	-	-	-	-	-	3	16	42	75	68	43	-
154	Rectum	85	-	-	-	-	-	1	2	18	28	28	8	-
	Male	51	-	-	-	-	-	1	2	14	15	16	3	-
	Female	34	-	-	-	-	-	-	-	4	13	12	5	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
157	Pancreas	242	-	-	-	-	-	1	15	45	82	70	29	-
	Male	112	-	-	-	-	-	1	8	22	40	31	10	-
	Female	130	-	-	-	-	-	-	7	23	42	39	19	-
160-165	Of Respiratory & Intrathoracic Organs	1,320	-	-	-	1	3	31	153	362	479	243	48	-
	Male	945	-	-	-	1	-	15	96	253	350	191	39	-
	Female	375	-	-	-	-	3	16	57	109	129	52	9	-
162.2-.9	Bronchus and Lung	1,272	-	-	-	1	3	31	146	351	463	232	45	-
	Male	906	-	-	-	1	-	15	90	246	336	181	37	-
	Female	366	-	-	-	-	3	16	56	105	127	51	8	-
170-175	Of Bone, Connective Tissue, Skin and Breast	509	-	-	1	8	22	32	67	121	133	86	39	-
	Male	80	-	-	-	5	6	7	10	16	22	7	7	-
	Female	429	-	-	1	3	16	25	57	105	111	79	32	-
174-175	Breast	377	-	-	-	-	11	21	50	99	100	71	25	-
	Male	3	-	-	-	-	-	-	1	-	-	2	-	-
	Female	374	-	-	-	-	11	21	49	99	100	69	25	-
179-187	Of Genital Organs	513	-	-	-	3	4	8	26	83	146	159	84	-
	Male	272	-	-	-	2	1	1	3	29	72	100	64	-
	Female	241	-	-	-	1	3	7	23	54	74	59	20	-
179-182	Cervix & Uterus	104	-	-	-	-	2	4	10	23	32	26	7	-
183.0	Ovary	124	-	-	-	1	1	2	13	28	40	30	9	-
185	Prostate	264	-	-	-	1	-	-	1	28	72	98	64	-
188-189	Of Urinary Organs	202	-	1	-	-	-	2	14	35	56	72	22	-
	Male	135	-	1	-	-	-	2	6	19	40	55	12	-
	Female	67	-	-	-	-	-	-	8	16	16	17	10	-
188	Bladder	122	-	-	-	-	-	-	2	17	33	52	18	-
	Male	86	-	-	-	-	-	-	1	8	26	40	11	-
	Female	36	-	-	-	-	-	-	1	9	7	12	7	-
190-199	Of Other & Unspecified Sites	242	-	2	-	3	6	8	17	47	47	73	39	-
	Male	129	-	2	-	3	1	4	11	28	27	38	15	-
	Female	113	-	-	-	-	5	4	6	19	20	35	24	-
191	Brain	119	1	1	4	2	6	12	18	25	30	18	2	-
	Male	74	-	1	2	2	3	10	14	16	17	9	-	-
	Female	45	1	-	2	-	3	2	4	9	13	9	2	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
200-208	Of Lymphatic and Hematopoietic Tissues	396	1	2	9	12	17	20	32	60	109	95	39	-
	Male	200	1	2	9	10	9	7	13	30	52	47	20	-
	Female	196	-	-	-	2	8	13	19	30	57	48	19	-
204-208	Leukemia	133	1	3	8	7	4	12	17	18	44	44	25	-
	Male	95	1	2	5	7	3	5	9	7	24	20	12	-
	Female	88	-	1	3	-	1	7	8	11	20	24	13	-
204	Lymphatic Leukemia	59	-	2	4	3	1	2	4	4	16	15	8	-
	Male	28	-	1	1	3	1	1	4	1	8	6	2	-
	Female	31	-	1	3	-	-	1	-	3	8	9	6	-
210-229	Benign Neoplasms	17	-	-	-	1	-	1	1	4	5	2	3	-
	Male	7	-	-	-	-	-	1	1	3	1	-	1	-
	Female	10	-	-	-	1	-	-	-	1	4	2	2	-
230-239	In Situ, Uncertain Behavior & Unspecified Nature Neoplasms	35	-	-	1	-	1	2	2	4	7	13	5	-
	Male	17	-	-	-	-	-	1	2	2	3	7	2	-
	Female	18	-	-	1	-	1	1	-	2	4	6	3	-
	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES													
250	Diabetes Mellitus	297	-	-	1	3	6	12	21	46	74	85	49	-
	Male	143	-	-	1	1	3	7	10	31	39	34	17	-
	Female	154	-	-	-	2	3	5	11	15	35	51	32	-
Residual of 240-279	Other Endocrine, Nutritional, and Metabolic Diseases	118	2	3	2	3	3	7	5	16	22	33	22	-
	Male	59	-	3	1	1	-	6	4	13	9	14	8	-
	Female	59	2	-	1	2	3	1	1	3	13	19	14	-
	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS													
280-285	Anemias	23	-	-	-	1	-	-	-	3	4	4	11	-
	Male	11	-	-	-	1	-	-	-	1	2	-	7	-
	Female	12	-	-	-	-	-	-	-	2	2	4	4	-
Residual of 280-289	Other Diseases of the Blood and Blood-forming Organs	36	-	-	1	1	-	1	2	2	11	6	12	-
	Male	22	-	-	1	1	-	1	2	1	5	5	6	-
	Female	14	-	-	-	-	-	-	-	1	6	1	6	-
	V. MENTAL DISORDERS													
291	Alcoholic Psychoses	2	-	-	-	-	-	-	-	1	1	-	-	-
	Male	2	-	-	-	-	-	-	-	1	1	-	-	-
	Female	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
303	Alcoholism	50	-	-	-	-	2	4	12	15	13	4	-	-
	Male	37	-	-	-	-	2	2	8	12	9	4	-	-
	Female	13	-	-	-	-	-	2	4	3	4	-	-	-
304	Drug Dependence	10	-	-	-	1	4	4	1	-	-	-	-	-
	Male	9	-	-	-	-	4	4	1	-	-	-	-	-
	Female	1	-	-	-	1	-	-	-	-	-	-	-	-
Residual of 290-319	Other Mental Disorders	141	-	-	-	1	2	2	2	7	22	48	57	-
	Male	59	-	-	-	-	-	2	-	4	10	24	19	-
	Female	82	-	-	-	1	2	-	2	3	12	24	38	-
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS													
320-322	Meningitis	24	8	2	2	-	1	-	2	7	2	-	-	-
	Male	18	6	1	1	-	1	-	2	6	1	-	-	-
	Female	6	2	1	1	-	-	-	-	1	1	-	-	-
332	Parkinson's Disease	78	-	-	-	-	-	-	-	5	11	47	15	-
	Male	43	-	-	-	-	-	-	-	3	9	27	4	-
	Female	35	-	-	-	-	-	-	-	2	2	20	11	-
345	Epilepsy	23	-	2	2	2	3	2	7	1	-	4	-	-
	Male	16	-	2	2	1	2	2	3	1	-	3	-	-
	Female	7	-	-	-	1	1	-	4	-	-	1	-	-
Residual of 320-389	Hereditary & Degenerative Diseases	181	3	9	3	8	4	6	13	30	46	40	19	-
	Male	89	1	2	1	7	2	4	6	13	26	17	10	-
	Female	92	2	7	2	1	2	2	7	17	20	23	9	-
	VII. DISEASES OF THE CIRCULATORY SYSTEM													
390-448	Major Cardiovascular Diseases	10,481	5	3	7	12	25	113	425	1,280	2,411	3,335	2,864	1
	Male	5,577	3	2	3	6	15	87	317	918	1,522	1,680	1,023	1
	Female	4,904	2	1	4	6	10	26	108	362	889	1,655	1,841	-
390-398, 402, 404-429	Diseases of the Heart	7,659	3	3	4	8	17	91	369	1,096	1,889	2,360	1,818	1
	Male	4,395	2	2	2	4	12	75	288	811	1,236	1,267	695	1
	Female	3,264	1	1	2	4	5	16	81	285	653	1,093	1,123	-
390-398	Rheumatic Fever & Chronic Rheumatic Heart Disease	98	-	-	-	-	-	-	9	17	32	28	12	-
	Male	27	-	-	-	-	-	-	4	7	7	6	3	-
	Female	71	-	-	-	-	-	-	5	10	25	22	9	-
402,404	Hypertensive Heart Disease with/without Renal Disease	205	-	-	-	-	-	1	10	27	50	65	52	-
	Male	79	-	-	-	-	-	1	6	19	25	22	6	-
	Female	126	-	-	-	-	-	-	4	8	25	43	46	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
410-414	Ischemic Heart Disease	6,147	-	-	-	1	7	76	309	886	1,572	1,916	1,379	1
	Male	3,666	-	-	-	1	6	64	253	665	1,069	1,054	553	1
	Female	2,481	-	-	-	-	1	12	56	221	503	862	826	-
410	Myocardial Infarction	2,389	-	-	-	1	5	29	131	415	700	739	369	-
	Male	1,505	-	-	-	1	4	25	110	307	474	424	160	-
	Female	884	-	-	-	-	1	4	21	108	226	315	209	-
411	Other Acute & Subacute Ischemic Heart Diseases	15	-	-	-	-	-	-	-	1	7	5	2	-
	Male	8	-	-	-	-	-	-	-	-	4	2	2	-
	Female	7	-	-	-	-	-	-	-	1	3	3	-	-
412-414	Chronic Ischemic Heart Disease	3,743	-	-	-	-	2	47	178	470	865	1,172	1,008	1
	Male	2,153	-	-	-	-	2	39	143	358	591	628	391	1
	Female	1,590	-	-	-	-	-	8	35	112	274	544	617	-
415-429	All Other Forms	1,209	3	3	4	7	10	14	41	166	235	351	375	-
	Male	623	2	2	2	3	6	10	25	120	135	185	133	-
	Female	586	1	1	2	4	4	4	16	46	100	166	242	-
401,403	Hypertension	60	-	-	-	-	1	-	3	4	20	20	12	-
	Male	37	-	-	-	-	-	-	3	4	13	11	6	-
	Female	23	-	-	-	-	1	-	-	-	7	9	6	-
430-438	Cerebrovascular Disease	2,021	1	-	2	3	5	19	45	137	356	731	722	-
	Male	805	1	-	1	2	2	11	22	75	175	299	217	-
	Female	1,216	-	-	1	1	3	8	23	62	181	432	505	-
430	Subarachnoid Hemorrhage	94	-	-	1	2	5	6	15	25	24	14	2	-
	Male	33	-	-	1	1	2	2	6	10	8	3	-	-
	Female	61	-	-	-	1	3	4	9	15	16	11	2	-
431-432	Intracerebral & Intracranial Hemorrhages	209	-	-	1	-	-	9	11	26	53	65	44	-
	Male	82	-	-	-	-	-	5	6	12	27	24	8	-
	Female	127	-	-	1	-	-	4	5	14	26	41	36	-
434	Cerebral Thrombosis & Embolism	403	1	-	-	-	-	2	7	32	69	135	157	-
	Male	171	1	-	-	-	-	2	4	25	33	55	51	-
	Female	232	-	-	-	-	-	-	3	7	36	80	106	-
436	Acute but Ill-Defined Cerebrovascular Disease	1,004	-	-	-	1	-	1	9	50	163	408	372	-
	Male	395	-	-	-	1	-	1	5	26	82	166	114	-
	Female	609	-	-	-	-	-	-	4	24	81	242	258	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
437	Generalized Ischemic Cerebrovascular Disease	234	-	-	-	-	-	-	2	2	26	82	122	-
	Male	84	-	-	-	-	-	-	-	1	10	35	38	-
	Female	150	-	-	-	-	-	-	2	1	16	47	84	-
440	Arteriosclerosis	486	-	-	-	-	-	-	1	13	61	143	268	-
	Male	184	-	-	-	-	-	-	1	6	39	55	83	-
	Female	302	-	-	-	-	-	-	-	7	22	88	185	-
441-448	Other Disease of Arteries, Arterioles & Capillaries	255	1	-	1	1	2	3	7	30	85	81	44	-
	Male	156	-	-	-	-	1	1	3	22	59	48	22	-
	Female	99	1	-	1	1	1	2	4	8	26	33	22	-
451-453	Venous Thrombosis & Embolism	34	-	-	-	-	-	1	3	6	11	5	8	-
	Male	17	-	-	-	-	-	-	-	4	8	2	3	-
	Female	17	-	-	-	-	-	1	3	2	3	3	5	-
Residual of 390-459	Other Diseases of the Circulatory System	20	1	-	-	-	1	1	1	2	4	4	6	-
	Male	11	-	-	-	-	1	1	1	2	3	2	1	-
	Female	9	1	-	-	-	-	-	-	-	1	2	5	-
	VIII. DISEASES OF THE RESPIRATORY SYSTEM													
480-487	Pneumonia & Influenza	704	1	2	1	2	1	2	12	36	99	209	339	-
	Male	335	1	-	1	-	-	1	6	20	69	101	136	-
	Female	369	-	2	-	2	1	1	6	16	30	108	203	-
480-486	Pneumonia	644	1	1	1	2	-	2	11	36	93	185	312	-
	Male	310	1	-	1	-	-	1	6	20	66	88	127	-
	Female	334	-	1	-	2	-	1	5	16	27	97	185	-
487	Influenza	60	-	1	-	-	1	-	1	-	6	24	27	-
	Male	25	-	-	-	-	-	-	-	-	3	13	9	-
	Female	35	-	1	-	-	1	-	1	-	3	11	18	-
490-496	Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Dis.	830	-	1	1	-	4	3	26	149	319	242	85	-
	Male	561	-	-	1	-	1	1	17	91	223	176	51	-
	Female	269	-	1	-	-	3	2	9	58	96	66	34	-
490-491	Chronic & Unspecified Bronchitis	53	-	-	-	-	-	-	1	10	14	18	10	-
	Male	32	-	-	-	-	-	-	-	5	12	10	5	-
	Female	21	-	-	-	-	-	-	1	5	2	8	5	-
492	Emphysema	225	-	-	-	-	1	-	7	44	85	63	25	-
	Male	163	-	-	-	-	1	-	5	27	61	49	20	-
	Female	62	-	-	-	-	-	-	2	17	24	14	5	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
493	Asthma	39	-	-	1	-	3	1	1	4	13	11	5	-
	Male	13	-	-	1	-	-	-	1	2	4	4	1	-
	Female	26	-	-	-	-	3	1	-	2	9	7	4	-
495	Chronic Obstructive Pul. Dis.	501	-	1	-	-	-	2	16	89	203	147	43	-
	Male	350	-	-	-	-	-	1	11	57	145	111	25	-
	Female	151	-	1	-	-	-	1	5	32	58	36	18	-
Residual of 460-519	Other Diseases of the Respiratory System	135	5	1	-	1	-	-	3	17	32	45	31	-
	Male	73	4	1	-	1	-	-	1	9	19	23	15	-
	Female	62	1	-	-	-	-	-	2	8	13	22	16	-
	IX. DISEASES OF THE DIGESTIVE SYSTEM													
531	Ulcer of Stomach	14	-	-	-	-	-	-	-	1	5	2	6	-
	Male	6	-	-	-	-	-	-	-	1	3	1	1	-
	Female	8	-	-	-	-	-	-	-	-	2	1	5	-
532	Ulcer of Duodenum	19	-	-	-	-	-	-	3	3	4	5	4	-
	Male	11	-	-	-	-	-	-	2	2	3	2	2	-
	Female	8	-	-	-	-	-	-	1	1	1	3	2	-
533	Peptic Ulcer	17	-	-	-	-	-	1	-	-	2	5	9	-
	Male	9	-	-	-	-	-	1	-	-	2	2	4	-
	Female	8	-	-	-	-	-	-	-	-	-	3	5	-
550-553 560	Hernia & Intestinal Obstruction	51	-	-	-	1	-	-	1	4	7	14	24	-
	Male	21	-	-	-	1	-	-	1	2	4	6	7	-
	Female	30	-	-	-	-	-	-	-	2	3	8	17	-
571	Cirrhosis of Liver	349	1	-	-	-	8	22	79	113	96	24	6	-
	Male	236	1	-	-	-	7	13	62	79	59	11	4	-
	Female	113	-	-	-	-	1	9	17	34	37	13	2	-
571.0-.3	Alcoholic Cirrhosis of Liver	295	-	-	-	-	5	17	71	104	80	17	1	-
	Male	212	-	-	-	-	5	12	57	75	53	9	1	-
	Female	83	-	-	-	-	-	5	14	29	27	8	-	-
574-576	Diseases of the Gallbladder	41	-	-	-	-	-	-	1	3	8	18	11	-
	Male	18	-	-	-	-	-	-	1	2	5	6	4	-
	Female	23	-	-	-	-	-	-	-	1	3	12	7	-
577	Diseases of the Pancreas	26	-	-	-	-	-	5	4	6	5	3	3	-
	Male	18	-	-	-	-	-	4	2	5	5	2	-	-
	Female	8	-	-	-	-	-	1	2	1	-	1	3	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
Residual of 520-579	Other Diseases of the Digestive System	293	2	2	4	1	5	7	8	44	59	77	84	-
	Male	137	1	1	1	1	2	4	5	26	28	40	28	-
	Female	156	1	1	3	-	3	3	3	18	31	37	56	-
	X. DISEASES OF THE GENITOURINARY SYSTEM													
580-589	Nephritis & Nephrosis	135	1	-	-	1	1	2	3	14	31	51	31	-
	Male	82	1	-	-	1	1	2	2	10	16	31	18	-
	Female	53	-	-	-	-	-	-	1	4	15	20	13	-
590	Infections of the Kidney	26	1	-	-	-	-	-	-	2	7	10	6	-
	Male	7	-	-	-	-	-	-	-	1	2	4	-	-
	Female	19	1	-	-	-	-	-	-	1	5	6	6	-
600-608	Diseases of Male Genital Organs	9	-	-	-	-	-	-	-	1	4	2	2	-
614-629	Diseases of Uterus and Other Female Genital Organs	3	-	-	-	-	-	1	-	-	1	-	1	-
Residual of 580-629	Other Diseases of the Genito-Urinary System	63	-	-	-	-	1	-	2	4	13	16	27	-
	Male	37	-	-	-	-	1	-	2	3	6	7	18	-
	Female	26	-	-	-	-	-	-	-	1	7	9	9	-
	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM													
630-676	Complications of Pregnancy, Childbirth, and the Puerperium	1	-	-	-	-	1	-	-	-	-	-	-	-
	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE													
680-709	Diseases of the Skin and Subcutaneous Tissue	16	-	-	-	-	-	-	1	3	3	4	5	-
	Male	10	-	-	-	-	-	-	-	2	2	4	2	-
	Female	6	-	-	-	-	-	-	1	1	1	-	3	-
	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE													
710-739	Diseases of the Musculoskeletal System and Connective Tissue	50	-	-	-	2	-	1	3	3	18	17	6	-
	Male	13	-	-	-	-	-	-	-	1	4	6	2	-
	Female	37	-	-	-	2	-	1	3	2	14	11	4	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
	XIV. CONGENITAL ANOMALIES													
745-746	Congential Anomalies of Heart	45	33	4	3	2	1	-	1	1	-	-	-	-
	Male	20	15	1	1	-	1	-	1	1	-	-	-	-
	Female	25	18	3	2	2	-	-	-	-	-	-	-	-
Residual of 740-759	Other Congenital Anomalies	115	87	3	4	3	3	2	4	3	2	2	2	-
	Male	64	49	2	2	-	3	1	3	3	1	-	-	-
	Female	51	38	1	2	3	-	1	1	-	1	2	2	-
	XV. CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY													
760-779	Certain Causes of Mortality in Early Infancy	219	216	1	-	-	1	-	1	-	-	-	-	-
	Male	118	115	1	-	-	1	-	1	-	-	-	-	-
	Female	101	101	-	-	-	-	-	-	-	-	-	-	-
	XVI. SYMPTOMS AND ILL-DEFINED CONDITIONS													
797	Senility	12	-	-	-	-	-	-	-	-	-	5	7	-
	Male	4	-	-	-	-	-	-	-	-	-	1	3	-
	Female	8	-	-	-	-	-	-	-	-	-	4	4	-
798.0	Sudden Infant Death Syndrome	132	132	-	-	-	-	-	-	-	-	-	-	-
	Male	78	78	-	-	-	-	-	-	-	-	-	-	-
	Female	54	54	-	-	-	-	-	-	-	-	-	-	-
Residual of 780-799	Other Symptoms and Ill-Defined Conditions	184	5	1	-	1	4	3	9	24	43	51	42	1
	Male	107	1	1	-	1	4	2	9	16	28	28	16	1
	Female	77	4	-	-	-	-	1	-	8	15	23	26	-
	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE													
800-949	Accidents	1,319	10	40	63	325	232	128	115	106	108	96	96	-
	Male	917	4	23	37	239	192	105	81	74	68	54	40	-
	Female	402	6	17	26	86	40	23	34	32	40	42	56	-
810-825	Motor Vehicle Accidents	710	1	9	30	234	145	81	61	53	43	43	10	-
	Male	496	1	4	18	166	116	65	38	33	26	26	3	-
	Female	214	-	5	12	68	29	16	23	20	17	17	7	-
830-838	Water Transport Accidents	27	1	-	-	8	7	3	2	4	2	-	-	-
	Male	25	1	-	-	7	7	3	1	4	2	-	-	-
	Female	2	-	-	-	1	-	-	1	-	-	-	-	-

TABLE 27. Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	N.S.
840-845	Air Transport Accidents	40	-	1	4	6	7	9	8	5	-	-	-	-
	Male	33	-	-	2	5	6	8	7	5	-	-	-	-
	Female	7	-	1	2	1	1	1	1	-	-	-	-	-
850-869	Poisoning Accidents	36	1	2	-	5	11	2	4	2	5	2	2	-
	Male	21	1	2	-	3	8	2	1	1	2	-	1	-
	Female	15	-	-	-	2	3	-	3	1	3	2	1	-
880-888	Accidental Falls	168	1	1	2	4	7	4	3	17	23	33	73	-
	Male	97	-	-	1	3	7	4	3	12	14	21	32	-
	Female	71	1	1	1	1	-	-	-	5	9	12	41	-
890-899	Fire & Flame Accidents	50	2	6	5	11	6	2	4	3	5	4	2	-
	Male	27	-	3	1	6	5	2	3	3	2	2	-	-
	Female	23	2	3	4	5	1	-	1	-	3	2	2	-
910	Drowning and Submersion	81	1	13	7	24	16	6	4	1	9	-	-	-
	Male	62	1	9	4	20	15	4	2	-	7	-	-	-
	Female	19	-	4	3	4	1	2	2	1	2	-	-	-
950-959	Suicides	388	-	-	3	77	87	68	42	37	42	24	8	-
	Male	312	-	-	3	63	67	54	29	32	35	22	7	-
	Female	76	-	-	-	14	20	14	13	5	7	2	1	-
960-978	Homicides	145	3	6	2	38	40	25	15	7	3	6	-	-
	Male	92	3	4	1	26	24	16	11	2	2	3	-	-
	Female	53	-	2	1	12	16	9	4	5	1	3	-	-
980-989	Injuries Undetermined Whether Accidentally or Purposely Inflicted	56	1	1	1	8	16	11	6	7	3	2	-	-
	Male	35	1	1	1	8	12	4	1	5	2	-	-	-
	Female	21	-	-	-	-	4	7	5	2	1	2	-	-

TABLE 28. LEADING CAUSES OF DEATH WITH MENTION OF SELECTED CAUSES, OREGON, 1980

MENTION OF SELECTED CAUSES	UNDERLYING CAUSE							
	TOTAL DEATHS	DISEASES OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	ACCIDENTS	BRONCHITIS, EMPHYSEMA, ASTHMA, & CHRONIC OBSTRUCTIVE PULMONARY DISEASE	INFLUENZA & PNEUMONIA	ARTERIOSCLEROSIS
TOTAL	21,756	7,659	4,625	2,021	1,319	830	704	486
Diseases of the Heart	1,948	-	480	308	35	234	146	114
Hypertension	872	522	46	196	2	10	9	-
Cerebrovascular Diseases	826	480	77	-	11	19	78	9
Respiratory Diseases 1/	812	474	158	42	8	-	36	12
Diabetes Mellitus	790	466	72	120	3	12	31	18
Malignant Neoplasms	512	260	-	63	6	52	25	13
Mention of Surgery	254	98	38	19	7	3	-	6
Accidents	179	84	12	28	-	11	-	7
Immaturity	140	-	1	-	-	-	-	-
Alcoholic Diseases 2/	128	47	15	6	14	8	6	3
Tobacco Smoking	59	6	22	1	-	30	-	-
Drug Usage	52	9	10	3	17	-	2	-
Staphlococcal Infections	22	4	8	-	1	-	3	-
Asbestosis	18	-	18	-	-	-	-	-
Tuberculosis	15	3	3	-	-	4	1	1
Influenza	14	10	-	1	-	2	-	-
Congenital Anomalies	9	2	-	1	-	1	1	-
Streptococcal Infections	8	1	1	1	2	-	-	-
Meningitis	8	1	1	-	-	-	-	-

1/ Includes Bronchitis, Emphysema, Asthma, and Chronic Obstructive Pulmonary Disease

2/ Includes Alcoholism, Alcoholic Cirrhosis, and Alcoholic Psychosis

TABLE 28. Continued

UNDERLYING CAUSE											
SUICIDE	ALCOHOLISM, ALCOHOLIC CIRRHOSIS, & ALCOHOLIC PSYCHOSIS 2/	DIABETES MELLITUS	OTHER DISEASES OF ARTERIES	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	HOMICIDE	NEPHRITIS & NEPHROSIS	SUDDEN INFANT DEATH SYNDROME	HYPERTENSION with or without RENAL DISEASE	UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	ALL OTHER CAUSES
388	347	297	255	219	160	145	135	132	60	56	1,918
2	27	167	44	1	9	-	46	-	10	-	325
-	1	25	28	-	-	-	-	-	-	-	33
-	5	52	15	-	2	-	1	-	2	-	75
-	11	-	4	-	-	-	8	-	1	-	58
1	11	-	5	-	1	-	1	-	1	-	48
4	6	2	7	-	-	-	7	-	2	-	65
-	1	5	13	1	9	-	2	-	3	-	49
-	2	2	2	1	-	-	1	-	-	-	29
-	-	-	-	123	10	-	-	1	-	-	5
1	-	-	-	-	-	-	1	-	1	1	25
-	-	-	-	-	-	-	-	-	-	-	-
1	2	1	-	-	-	-	-	-	-	1	6
-	-	-	-	-	-	-	-	-	-	-	6
-	-	-	-	-	-	-	-	-	-	-	-
-	2	1	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	1	-	-
-	1	-	-	1	-	-	-	-	-	-	2
-	-	-	-	1	1	-	-	-	-	-	1
-	1	-	-	3	-	-	-	-	-	-	2

TABLE 29. LEADING CAUSES OF DEATH BY RANK ORDER FOR MALES & FEMALES, OREGON, 1980

RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
	MALES			
	TOTAL	12,080	931.8	100.0
1.	Diseases of the Heart	4,395	339.0	36.4
2.	Malignant Neoplasms	2,523	194.6	20.9
3.	Accidents	917	70.7	7.6
4.	Cerebrovascular Disease	805	62.1	6.7
5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	561	43.3	4.6
6.	Influenza & Pneumonia	335	25.8	2.8
7.	Suicide	312	24.1	2.6
8.	Alcoholic Diseases	251	19.4	2.1
9.	Arteriosclerosis	184	14.2	1.5
10.	Other Diseases of Arteries	156	12.0	1.3
11.	Diabetes Mellitus	143	11.0	1.2
12.	Certain Causes in Early Infancy	118	9.1	1.0
13.	Homicide	92	7.1	0.8
14.	Congenital Anomalies	84	6.5	0.7
15.	Nephritis & Nephrosis	82	6.3	0.7
	All Other Causes	1,122	86.6	9.3
	FEMALES			
	TOTAL	9,676	724.1	100.0
1.	Diseases of the Heart	3,264	244.3	33.7
2.	Malignant Neoplasms	2,102	157.3	21.7
3.	Cerebrovascular Disease	1,216	91.0	12.6
4.	Accidents	402	30.1	4.2
5.	Influenza & Pneumonia	369	27.6	3.8
6.	Arteriosclerosis	302	22.6	3.1
7.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	269	20.1	2.8
8.	Diabetes Mellitus	154	11.5	1.6
9.	Certain Causes in Early Infancy	101	7.6	1.0
10.	Other Disease of Arteries	99	7.4	1.0
11.	Alcoholic Diseases	96	7.2	1.0
12.	Suicide	76	5.7	0.8
12.	Congenital Anomalies	76	5.7	0.8
14.	Sudden Infant Death Syndrome	54	4.0	0.6
15.	Homicide	53	4.0	0.5
15.	Nephritis & Nephrosis	53	4.0	0.5
	All Other Causes	990	74.1	10.2

All rates per 100,000 population

FIGURE 25. PERCENT OF DEATHS BY LEADING CAUSE AND SEX, OREGON, 1980

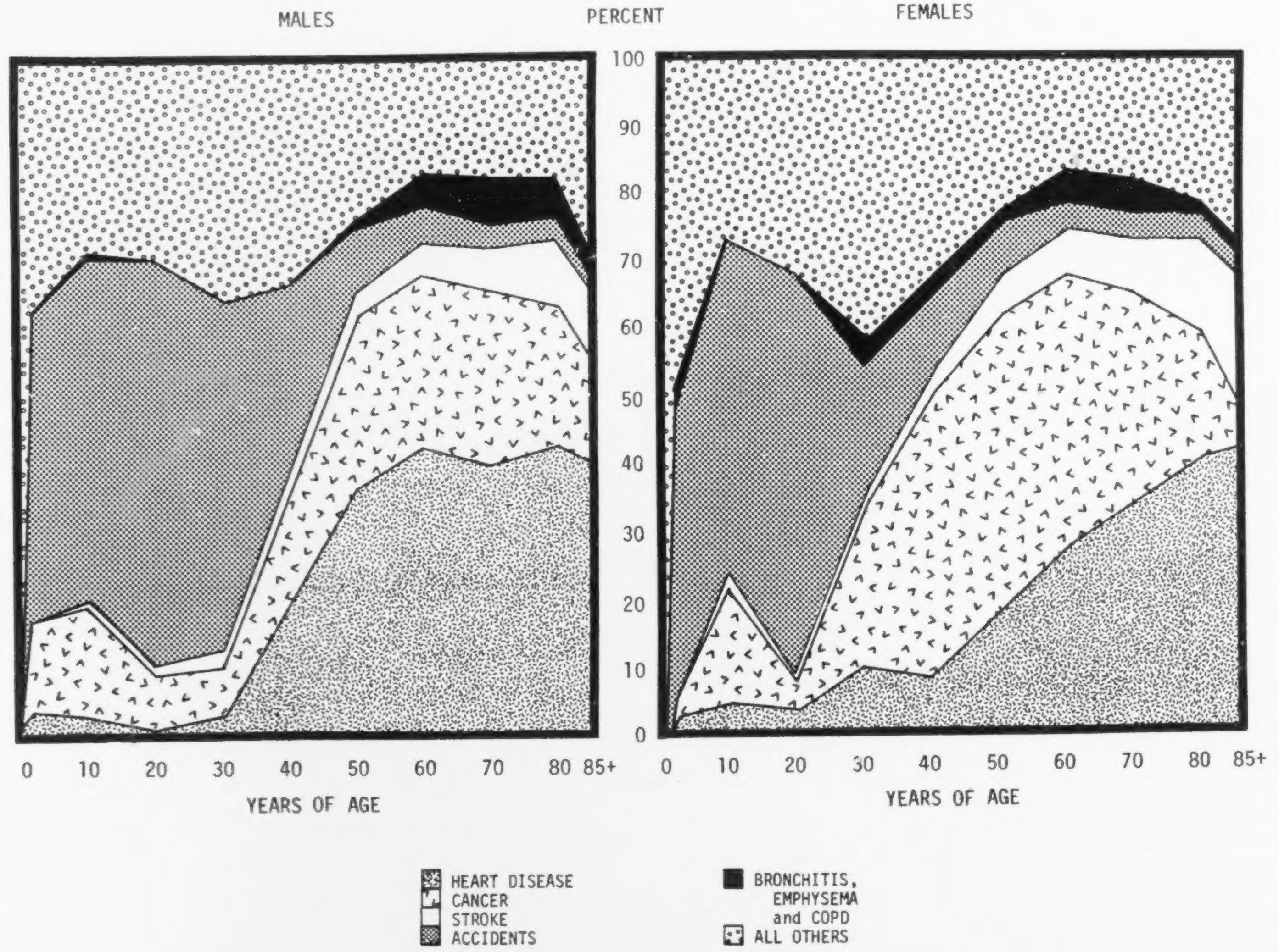


TABLE 30. AGE SPECIFIC DEATH RATES BY SEX FOR THE LEADING CAUSES OF DEATH, OREGON, 1980

CAUSE OF DEATH	TOTAL	AGE GROUPS									
		0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL CAUSES	826.4	310.7	31.9	115.8	109.6	190.3	512.7	1223.1	2711.7	6318.6	15,419.8
Male	931.8	333.9	36.9	167.8	155.0	254.0	664.7	1655.5	3623.8	8416.6	19,216.4
Female	724.1	286.0	26.7	63.6	63.6	125.4	366.9	829.2	1938.1	4956.9	13,701.8
Diseases of the Heart	290.9	3.0	1.0	1.7	3.5	30.0	151.5	442.7	1023.7	2612.9	6394.4
Male	339.0	3.9	1.0	1.7	5.0	49.0	241.4	687.1	1459.4	3564.1	7846.9
Female	244.3	2.1	1.0	1.7	2.1	10.6	65.2	220.0	654.0	1995.6	5737.2
Malignant Neoplasms	175.7	5.0	5.1	7.3	14.1	44.8	165.4	395.9	767.9	1229.0	1572.2
Male	194.6	7.9	6.0	12.0	11.2	39.2	162.6	450.7	958.8	1755.3	2551.6
Female	157.3	2.1	4.2	2.6	17.2	50.4	168.2	345.9	606.0	887.3	1129.0
Cerebrovascular Disease	76.8	0.5	0.5	0.6	1.0	6.2	18.5	55.3	192.9	809.3	2539.5
Male	62.1	1.0	0.5	0.9	0.8	7.2	18.4	63.5	206.6	841.1	2450.0
Female	91.0	-	0.5	0.4	1.2	5.3	18.5	47.9	181.3	788.7	2580.0
Accidents	50.1	25.3	16.1	70.1	48.2	42.1	47.2	42.8	58.5	106.3	337.7
Male	70.7	26.5	18.4	102.8	79.4	68.6	67.9	62.7	80.3	151.9	451.6
Female	30.1	23.9	13.6	37.2	16.7	15.3	27.4	24.7	40.1	76.7	286.1
Bronchitis, Emphysema, Asthma & COPD	31.5	0.5	0.3	-	0.8	1.0	10.7	60.2	172.9	267.9	299.0
Male	43.3	-	0.5	-	0.4	0.6	14.2	77.1	263.3	495.1	575.8
Female	20.1	1.0	-	-	1.2	1.3	7.2	44.8	96.2	120.5	173.7
Pneumonia & Influenza	26.7	1.5	0.3	0.4	0.2	0.7	4.9	14.5	53.6	231.4	1192.4
Male	25.8	1.0	0.5	-	-	0.6	5.0	16.9	81.5	284.1	1535.5
Female	27.6	2.1	-	0.9	0.4	0.7	4.8	12.4	30.0	197.2	1037.1
Arteriosclerosis	18.5	-	-	-	-	-	0.4	5.2	33.1	158.3	942.6
Male	14.2	-	-	-	-	-	0.8	5.1	46.0	154.7	937.1
Female	22.6	-	-	-	-	-	-	5.4	22.0	160.7	945.1
Suicides	14.7	-	0.8	16.6	18.1	22.4	17.2	15.0	22.8	26.6	28.1
Male	24.1	-	1.5	27.1	27.7	35.3	24.3	27.1	41.3	61.9	79.0
Female	5.7	-	-	6.1	8.4	9.3	10.5	3.9	7.0	3.6	5.1
Alcoholism, Alcoholic Cirrhosis, & Alcoholic Psychosis	13.2	-	-	-	1.5	6.9	34.1	48.5	50.9	23.2	3.5
Male	19.4	-	-	-	2.9	9.1	54.5	74.6	74.4	36.6	11.3
Female	7.2	-	-	-	-	4.6	14.5	24.7	31.0	14.6	-
Diabetes Mellitus	11.3	-	0.3	0.6	1.2	4.0	8.6	18.6	40.1	94.1	172.4
Male	11.0	-	0.5	0.4	1.2	4.6	8.4	26.3	46.0	95.6	191.9
Female	11.5	-	-	0.9	1.2	3.3	8.8	11.6	35.1	93.1	163.5
Other Disease of Arteries	9.7	0.5	0.3	0.2	0.4	1.0	2.9	12.1	46.1	89.7	154.8
Male	12.0	-	-	-	0.4	0.6	2.5	18.6	69.7	135.0	248.4
Female	7.4	1.0	0.5	0.4	0.4	1.3	3.2	6.2	26.0	60.2	112.4
Certain Causes in Early Infancy	8.3	109.6	-	-	0.2	-	0.4	-	-	-	-
Male	9.1	113.9	-	-	0.4	-	0.8	-	-	-	-
Female	7.6	105.1	-	-	-	-	-	-	-	-	-
Congenital Anomalies	6.1	64.2	1.8	1.1	0.8	0.7	2.0	1.6	1.1	2.2	7.0
Male	6.5	65.8	1.5	-	1.6	0.6	3.4	3.4	1.2	-	-
Female	5.7	62.4	2.1	2.2	-	0.7	0.8	-	1.0	3.6	10.2
Homicides	5.5	4.6	0.5	8.2	8.3	8.2	6.2	2.8	1.6	6.6	-
Male	7.1	6.9	0.5	11.2	9.9	10.4	9.2	1.7	2.4	8.4	-
Female	4.0	2.1	0.5	5.2	6.7	6.0	3.2	3.9	1.0	5.5	-
Nephritis & Nephrosis	5.1	0.5	-	0.2	0.2	0.7	1.2	5.7	16.8	56.5	109.0
Male	6.3	1.0	-	0.4	0.4	1.3	1.7	8.5	18.9	87.2	203.2
Female	4.0	-	-	-	-	-	0.8	3.1	15.0	36.5	66.4
Sudden Infant Death Syndrome	5.0	66.7	-	-	-	-	-	-	-	-	-
Male	6.0	76.6	-	-	-	-	-	-	-	-	-
Female	4.0	56.2	-	-	-	-	-	-	-	-	-
Hypertension	2.3	-	-	-	0.2	-	1.2	1.6	10.8	22.1	42.2
Male	2.9	-	-	-	-	-	2.5	3.4	15.4	30.9	67.7
Female	1.7	-	-	-	0.4	-	-	-	7.0	16.4	30.7
Injuries Undetermined Whether Accidentally or Purposely Inflicted	2.1	1.0	0.3	1.7	3.3	3.6	2.5	2.8	1.6	2.2	-
Male	2.7	2.0	0.5	3.4	5.0	2.6	0.8	4.2	2.4	-	-
Female	1.6	-	-	-	1.7	4.6	4.0	1.5	1.0	3.6	-

All rates per 100,000 population within the specific age group.

FIGURE 26. CANCER DEATH RATES BY LEADING SITES FOR EACH SEX, OREGON, 1980

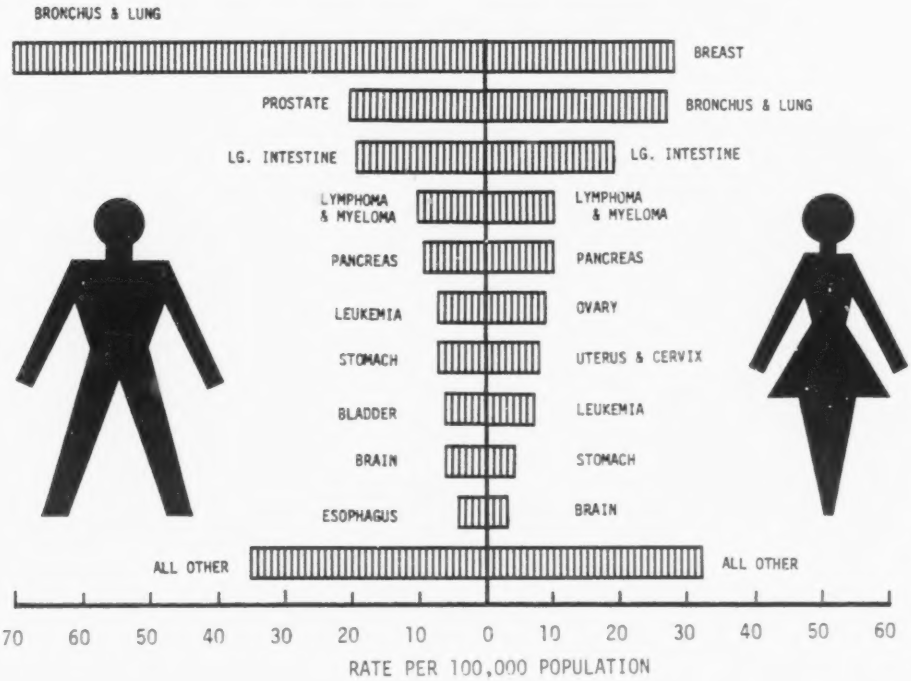
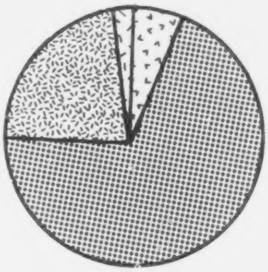


TABLE 31. NUMBER OF DEATHS BY MONTH OF OCCURRENCE, OREGON, 1980

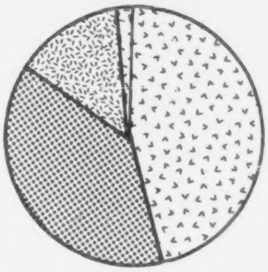
MONTH OF OCCURRENCE	NUMBER OF DEATHS	MONTH OF OCCURRENCE	NUMBER OF DEATHS
TOTAL	21,756		
January	2,040	July	1,866
February	2,003	August	1,734
March	1,839	September	1,609
April	1,718	October	1,734
May	1,763	November	1,777
June	1,704	December	1,969

Table 32. RESIDENT DEATHS DUE TO OR MENTIONING EXTERNAL FACTORS, OREGON, 1980

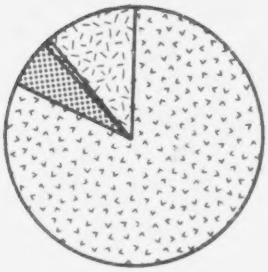
	Number	Percent
Firearms	352	100.0%
Accident	19	5.4
Suicide	246	69.9
Homicide	79	22.4
Undetermined	8	2.3



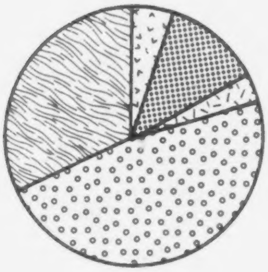
	Number	Percent
Suffocation/Hanging	79	100.0%
Accident	36	45.6
Suicide	31	39.2
Homicide	11	13.9
Undetermined	1	1.3



	Number	Percent
Drowning 1/	115	100.0%
Accident	95	82.6
Suicide	6	5.2
Homicide	1	0.9
Undetermined	13	11.3



	Number	Percent
Poisoning	744	100.0%
Accident	36	4.8
Suicide	84	11.3
Homicide	-	-
Undetermined	23	3.1
Alcohol & Drug Diseases	362	48.7
Additional Mention of Alcohol & Drugs (not underlying causes)	239	32.1

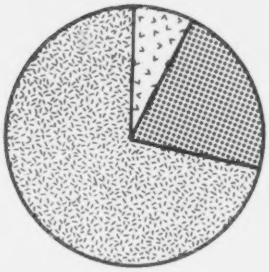


1/ Includes Boating accidents resulting in deaths from drowning.

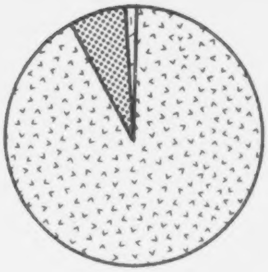
Rates per 100,000 population.

Table 32. Continued

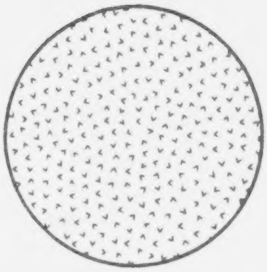
	Number	Percent
Cutting/Piercing	29	100.0%
Accident	2	6.9
Suicide	6	20.7
Homicide	21	72.4
Undetermined	-	-



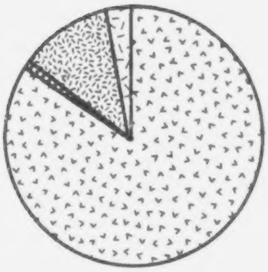
	Number	Percent
Falls/Jumping	182	100.0%
Accident	168	92.3
Suicide	12	6.6
Homicide	-	-
Undetermined	2	1.1



	Number	Percent
Motor Vehicle	710	100.0%
Accident	710	100.0
Suicide	-	-
Homicide	-	-
Undetermined	-	-



	Number	Percent
All Other External Causes	298	100.0%
Accident	253	84.9
Suicide	3	1.0
Homicide	33	11.1
Undetermined	9	3.0



Legend

░ Accident

▓ Suicide

▒ Homicide

▤ Undetermined

⁙ Alcohol & Drug Diseases

▨ Additional Mention of Alcohol & Drugs (not underlying causes)

TABLE 33. RESIDENT DEATHS FROM SUICIDE, HOMICIDE, EXTERNAL CAUSES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED BY AGE, SEX AND METHOD, OREGON, 1980

METHOD OF DEATH	TOTAL	AGE AND SEX																	
		Total		Under 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
METHOD OF SUICIDE																			
TOTAL	388	312	76	3	-	63	14	67	20	54	14	29	13	32	5	35	7	29	3
Poisoning:																			
Gas	43	34	9	-	-	5	-	10	2	7	2	6	4	4	-	1	1	1	-
Solid or Liquid	41	15	26	-	-	1	3	4	10	7	7	2	2	-	2	1	1	-	1
Suffocation & Hanging	31	29	2	-	-	11	-	7	-	2	1	-	-	3	-	3	1	3	-
Drowning	6	4	2	-	-	-	-	2	-	1	-	-	1	-	-	-	1	1	-
Firearms	246	213	33	3	-	43	10	40	7	33	4	18	4	24	3	30	3	22	2
Cutting & Piercing	6	5	1	-	-	-	-	1	-	-	-	2	1	1	-	-	-	1	-
Jumping from High Places	12	10	2	-	-	2	1	3	1	3	-	1	-	-	-	-	-	1	-
Other	3	2	1	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-
METHOD OF HOMICIDE																			
TOTAL	145	92	53	8	3	26	12	24	16	16	9	11	4	2	5	2	1	3	3
Suffocation & Hanging	11	6	5	2	-	-	2	1	2	3	1	-	-	-	-	-	-	-	-
Drowning	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearms	79	50	29	1	-	17	5	18	9	7	8	5	3	-	3	1	1	1	-
Cutting & Piercing	21	14	7	-	1	5	1	3	3	4	-	-	-	-	-	1	-	1	2
Legal Intervention by Firearm	4	4	-	-	-	1	-	1	-	-	-	2	-	-	-	-	-	-	-
Child Battering	6	5	1	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	23	13	10	-	-	3	4	1	2	2	-	4	1	2	2	-	-	1	1
UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED																			
TOTAL	56	35	21	3	-	8	-	12	4	4	7	1	5	5	2	2	1	-	2
Poisoning:																			
Gas	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid or Liquid	22	10	12	-	-	2	-	3	3	2	5	-	3	2	1	1	-	-	-
Drowning	13	12	1	-	-	2	-	6	-	2	-	-	-	1	-	1	-	-	1
Firearms	8	6	2	1	-	2	-	2	-	-	-	-	1	1	-	-	-	-	1
Other	12	6	6	2	-	1	-	1	1	-	2	1	1	1	1	-	1	-	-

TABLE 34. RESIDENT ACCIDENTAL DEATHS BY TYPE OR SOURCE OF INJURY, AGE GROUPS AND SEX, OREGON, 1980

TYPE OR SOURCE OF INJURY	TOTAL	AGE																			
		Under 1		1-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL	1,319	4	6	23	17	37	26	239	86	192	40	105	23	81	34	74	32	68	40	94	98
TRANSPORTATION																					
Motor Vehicle	710	1	-	4	5	18	12	166	68	116	29	65	16	38	23	33	20	26	17	29	24
Watercraft	27	1	-	-	-	-	-	7	1	7	-	3	-	1	1	4	-	2	-	-	-
Aircraft	40	-	-	-	1	2	2	5	1	6	1	8	1	7	1	5	-	-	-	-	-
Railway	5	-	-	-	-	-	-	-	-	1	-	1	-	2	-	-	-	-	-	-	1
Other Road Vehicle	2	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
POISONING																					
Gas	8	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	1	1	1	2
Drugs & Medicines	22	-	-	1	-	-	-	2	-	5	3	2	-	1	3	1	-	1	2	-	1
Other Solid or Liquid	6	1	-	1	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-
SUFFOCATION OR OBSTRUCTION																					
Inhalation or Ingestion:																					
Food	21	-	-	3	1	-	-	-	-	-	-	-	-	2	-	1	2	4	3	2	3
Other Object	7	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	1	2
Mechinical Suffocation	8	-	2	-	1	2	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-
MISCELLANEOUS																					
Falls	168	-	1	-	1	1	1	3	1	7	-	4	-	3	-	12	5	14	9	53	53
Fires	50	-	2	3	3	1	4	6	5	5	1	2	-	3	1	3	-	2	3	2	4
Drowning	81	1	-	9	4	4	3	20	4	15	1	4	2	2	2	-	1	7	2	-	-
Struck by Object	36	-	-	1	-	1	-	9	-	7	2	4	-	6	-	4	-	1	-	1	-
Machinery	28	-	-	-	-	-	1	6	1	5	1	2	-	7	-	3	-	1	-	1	-
Firearms	19	-	-	-	-	6	1	7	1	1	-	1	-	1	-	1	-	-	-	-	-
Electric Current	11	-	-	-	-	1	-	5	-	3	-	1	-	1	-	-	-	-	-	-	-
Other & Unspecified	43	-	-	-	1	-	1	2	1	9	1	2	2	6	2	4	3	4	3	-	2
Complications of Medical & Surgical Procedures	17	-	1	-	-	-	-	-	-	1	-	-	1	1	-	2	-	4	-	3	4
Late Effects of Accident	10	-	-	-	-	1	-	-	-	-	1	3	-	-	1	1	-	-	-	1	2

TABLE 35. DEATHS OCCURRING IN OREGON BY TYPE OF ACCIDENT AND BY AGE GROUPS, 1980

TYPE OF ACCIDENT	TOTAL		AGE GROUPS						
	Number	Rate	Under 1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL	1,304	49.5	13	40	58	329	359	206	299
WORK ACCIDENTS	65	2.5	-	-	1	16	28	18	2
Logging	15	0.6	-	-	-	5	8	2	-
Agriculture	9	0.3	-	-	1	3	1	3	1
Mining	2	0.1	-	-	-	-	2	-	-
Construction	12	0.5	-	-	-	3	7	2	-
Manufacturing	6	0.2	-	-	-	1	3	2	-
Transportation	6	0.2	-	-	-	1	1	4	-
Trade	1	0.0	-	-	-	-	1	-	-
Service	6	0.2	-	-	-	1	2	2	1
Government	2	0.1	-	-	-	-	1	1	-
Other and Unspecified	6	0.2	-	-	-	2	2	2	-
HOME ACCIDENTS	213	8.1	7	25	12	23	26	33	87
Poisoning - Other	23	0.9	1	2	-	4	10	4	2
Poisoning - Gas	4	0.2	-	-	-	-	-	1	3
Falls	77	2.9	1	1	-	-	1	11	63
Fires	44	1.7	2	6	5	10	8	4	9
Drowning	17	0.6	1	10	-	1	-	3	2
Suffocation, Ingestion	11	0.4	-	4	-	-	-	4	3
Suffocation, Mechanical	5	0.2	2	1	1	-	1	-	-
Firearms	11	0.4	-	-	5	5	-	1	-
Other and Unspecified	21	0.8	-	1	1	3	6	5	5
MOTOR VEHICLE	709	26.9	3	12	30	237	224	105	98
Injury to Pedestrian	103	3.9	-	4	12	14	20	19	34
Injury to Pedalcyclist	10	0.4	-	2	2	2	1	1	2
Collision with RR Train	9	0.3	-	-	-	2	1	2	4
Collision with Other Motor Vehicle	248	9.4	2	3	7	85	77	39	35
Collision with Fixed Object	53	2.0	-	-	-	20	19	8	6
Noncollision (Loss of Control)	265	10.1	-	2	8	106	100	35	14
Other and Unspecified	21	0.8	1	1	1	8	6	1	3
PUBLIC ACCIDENT	276	10.4	3	3	13	52	75	43	87
Railway Transportation	4	0.2	-	-	-	-	3	-	1
Other Transportation	3	0.1	-	-	1	-	2	-	-
Water Transportation	32	1.2	1	-	-	7	13	10	1
Air Transportation	30	1.1	-	-	2	6	12	10	-
Falls	62	2.4	-	-	1	4	4	5	48
Fires	6	0.2	-	-	-	1	1	2	2
Drowning	63	2.4	-	2	6	25	21	2	7
Firearms	10	0.4	-	-	2	3	3	2	-
Other and Unspecified	66	2.5	2	1	1	6	16	12	28
UNCLASSIFIED	41	1.6	-	-	2	1	6	7	25

All rates per 100,000 population

FIGURE 27. THE FOUR LEADING CAUSES OF ACCIDENTAL DEATHS OCCURRING IN OREGON BY AGE-GROUPS, 1980

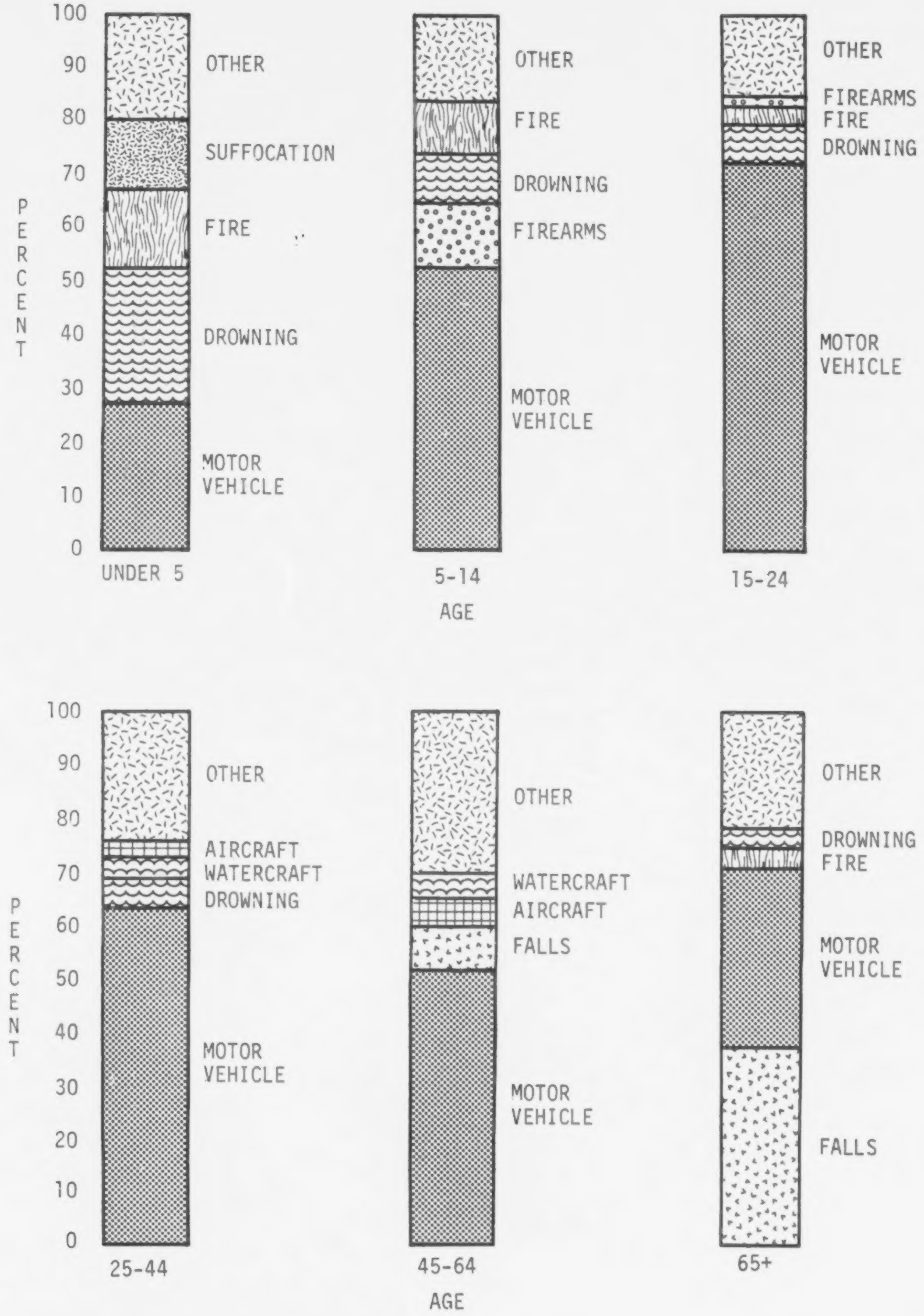


TABLE 36. RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON, 1980

CAUSE OF DEATH	ALL INFANT DEATHS	WITH MENTION OF IMMATURITY	UNDER 28 DAYS			28 DAYS & OVER
			Total	Under 1 Day	1-27 Days	
TOTAL	521	155	303	136	167	218
RATE	12.1	3.6	7.0		3.9	5.1
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	216	136	195	93	102	21
Other Complications of Pregnancy & Delivery	14	12	14	14	-	-
Conditions of Placenta & Cord	3	5	8	8	-	-
Birth Trauma without Mention of Cause	28	17	25	4	21	3
Anoxic & Hypoxic Conditions	17	4	17	6	11	-
Respiratory Distress Syn.	43	27	40	6	34	3
Other Respiratory Conditions	27	14	18	13	5	9
Immaturity, Unqualified	16	16	16	16	-	-
All Other	63	41	57	26	31	6
OTHER DISEASES	291	19	105	43	62	186
Congenital Anomalies	120	10	90	43	47	30
Diseases of Nervous System	11	-	2	2	-	9
Pneumonia & Influenza	1	-	-	-	-	1
Other Diseases of Resp. Sys.	5	3	3	-	3	2
Sudden Infant Death Syndrome	132	1	5	-	5	127
All Other Diseases	22	5	5	-	5	17
VIOLENT & ACCIDENTAL CAUSES	14	-	3	-	3	11
Motor Vehicle	1	-	-	-	-	1
Other Accidental Causes	9	-	2	-	2	7
Homicide	3	-	-	-	-	3
Other External Causes	1	-	1	-	1	-

Rate per 1,000 live births

TABLE 37. INFANT DEATHS BY COUNTY OF RESIDENCE AND AGE AT TIME OF DEATH, OREGON, 1980

COUNTY OF RESIDENCE	ALL INFANT DEATHS		UNDER 28 DAYS (NEONATAL PERIOD)					28 DAYS & OVER	
			Total		Under	1-6	7-27		
	Number	Rate	Number	Rate	1 Day	Days	Days	Number	Rate
TOTAL	521	12.1	303	7.0	136	84	83	218	5.1
Baker	2	7.7	2	7.7	1	-	1	-	-
Benton	8	8.5	4	4.3	2	1	1	4	4.3
Clackamas	53	14.9	27	7.6	11	10	6	26	7.3
Clatsop	7	13.4	3	5.7	2	-	1	4	7.6
Columbia	5	8.2	4	6.6	-	1	3	1	1.6
Coos	13	12.3	7	6.6	3	-	4	6	5.7
Crook	2	9.1	1	4.5	-	1	-	1	4.5
Curry	1	3.9	-	-	-	-	-	1	3.9
Deschutes	16	15.3	8	7.6	5	1	2	8	7.6
Douglas	14	8.6	6	3.7	2	1	3	8	4.9
Gilliam	-	-	-	-	-	-	-	-	-
Grant	4	31.0	2	15.5	2	-	-	2	15.5
Harney	3	22.9	2	15.3	2	-	-	1	7.6
Hood River	3	12.2	2	8.1	-	2	-	1	4.1
Jackson	21	10.3	16	7.9	8	4	4	5	2.5
Jefferson	4	18.3	2	9.2	-	2	-	2	9.2
Josephine	12	13.2	8	8.8	4	1	3	4	4.4
Klamath	14	13.9	6	6.0	3	1	2	8	8.0
Lake	3	20.5	3	20.5	-	1	2	-	-
Lane	42	9.7	26	6.0	14	7	5	16	3.7
Lincoln	8	14.2	7	12.4	5	-	2	1	1.8
Linn	18	11.8	8	5.2	4	4	-	10	6.6
Malheur	5	9.0	5	9.0	1	1	3	-	-
Marion	51	14.0	33	9.1	16	8	9	18	4.9
Morrow	2	15.3	2	15.3	1	-	1	-	-
Multnomah	124	13.6	72	7.9	33	22	17	52	5.7
Polk	11	14.9	5	6.8	2	2	1	6	8.1
Sherman	-	-	-	-	-	-	-	-	-
Tillamook	2	5.9	2	5.9	-	1	1	-	-
Umatilla	16	13.6	7	6.0	1	4	2	9	7.7
Union	6	14.4	3	7.2	1	2	-	3	7.2
Wallowa	-	-	-	-	-	-	-	-	-
Wasco	4	10.8	3	8.1	3	-	-	1	2.7
Washington	40	9.9	22	5.5	9	5	8	18	4.5
Wheeler	-	-	-	-	-	-	-	-	-
Yamhill	7	6.7	5	4.8	1	2	2	2	1.9

All rates per 1,000 live births

TABLE 38. DEATHS BY COUNTY OF RESIDENCE BY AGE GROUPS AND SEX, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL DEATHS	AGE GROUPS AND SEX									
		All Ages		Under 1		1-4		5-14		15-24	
		Male	Female	M	F	M	F	M	F	M	F
TOTAL	21,756	12,080[1/]	9,676	286	235	54	40	74	51	390	147
Baker	153	72	81	-	2	-	-	-	-	3	1
Benton	328	173	155	5	3	-	-	3	1	4	2
Clackamas	1,756	976	780	30	23	5	3	11	5	35	11
Clatsop	343	201	142	2	5	-	-	1	-	5	1
Columbia	302	175	127	1	4	-	-	-	1	3	1
Coos	581	335	246	12	1	1	2	2	2	12	3
Crook	109	70	39	-	2	-	-	1	-	3	1
Curry	170	101	69	-	1	-	-	1	-	6	3
Deschutes	423	235	188	7	9	-	2	2	1	9	8
Douglas	682	412	270	4	10	-	4	2	2	15	3
Gilliam	21	15	6	-	-	-	-	-	-	-	1
Grant	83	48	35	1	3	-	-	-	-	4	1
Harney	67	28	39	2	1	-	2	-	-	1	1
Hood River	165	93	72	1	2	1	1	1	-	3	1
Jackson	1,056	618	438	13	8	3	4	1	1	15	6
Jefferson	79	47	32	1	3	-	-	1	-	4	2
Josephine	593	337	256	6	6	4	2	-	-	5	6
Klamath	478	284	194	7	7	3	1	3	1	10	3
Lake	61	40	21	1	2	-	-	1	-	-	-
Lane	1,802	994	808	24	18	10	3	4	7	37	19
Lincoln	386	216	170	3	5	2	1	-	1	10	2
Linn	697	400	297	9	9	1	1	2	3	25	5
Malheur	223	126	97	1	4	-	-	2	-	4	2
Marion	1,781	994	787	31	20	5	3	6	2	33	15
Morrow	49	32	17	2	-	-	-	-	-	1	2
Multnomah	5,941	3,142[1/]	2,799	78	46	10	6	13	10	75	27
Polk	382	231	151	5	6	1	1	1	2	9	4
Sherman	28	18	10	-	-	-	-	-	-	1	-
Tillamook	194	122	72	1	1	-	-	-	1	4	1
Umatilla	492	291	201	8	8	3	1	4	2	11	-
Union	221	124	97	2	4	1	-	1	4	-	3
Wallowa	84	46	38	-	-	-	-	-	-	2	-
Wasco	194	105	89	4	-	2	-	-	1	3	2
Washington	1,358	729	629	22	18	2	2	9	3	31	10
Wheeler	20	14	6	-	-	-	-	-	-	-	-
Yamhill	454	236	218	3	4	-	1	2	1	7	-

[1/] Includes two with age not stated

TABLE 38. continued

AGE GROUPS AND SEX													
25-34		35-44		45-54		55-64		65-74		75-84		85+	
M	F	M	F	M	F	M	F	M	F	M	F	M	F
375	152	389	189	793	456	1,954	1,074	3,069	1,935	2,992	2,715	1,702	2,682
3	1	4	1	3	2	6	6	19	16	19	28	15	24
4	5	6	2	11	5	32	14	35	39	44	40	29	44
29	15	32	21	74	46	168	91	224	147	222	202	146	216
7	2	3	3	7	7	34	16	62	39	54	26	26	43
7	2	2	6	10	3	29	16	45	29	43	36	35	29
8	1	9	4	22	11	61	25	100	65	71	58	37	74
1	-	2	-	7	3	10	2	27	12	11	9	8	10
2	-	6	-	2	3	25	10	34	17	20	19	5	16
7	5	13	4	12	13	30	26	58	42	64	43	33	35
16	3	21	5	33	15	60	41	115	50	90	79	56	58
-	-	-	-	3	1	1	-	3	2	5	-	3	2
3	-	2	2	4	3	2	3	13	6	6	9	13	8
1	-	1	1	3	6	5	3	7	4	7	13	1	8
4	-	1	2	6	3	18	14	22	17	20	18	16	14
19	5	22	5	42	23	98	48	159	88	159	119	87	131
1	-	2	1	3	2	9	6	12	5	10	6	4	7
7	3	8	2	18	10	54	33	90	47	90	72	55	75
9	7	15	6	20	12	47	23	75	44	66	47	29	43
-	-	1	2	2	1	5	4	13	4	11	5	6	3
38	18	22	15	60	33	175	99	269	150	223	234	132	212
4	2	10	7	22	1	28	27	73	43	46	51	18	30
16	-	11	5	24	17	57	35	99	68	107	78	49	76
5	-	1	1	7	8	16	8	31	17	42	22	17	35
30	11	28	14	53	39	152	71	238	166	288	230	130	216
1	-	-	-	2	3	8	3	7	2	4	3	7	4
98	51	108	42	234	113	522	296	769	528	756	854	477	826
7	3	6	2	14	7	39	20	49	22	64	40	36	44
1	-	-	1	2	1	5	1	3	3	3	3	3	1
2	1	2	1	5	5	20	13	43	19	27	11	18	19
7	3	5	5	14	12	46	13	77	39	85	57	31	61
4	1	3	2	7	3	15	7	35	22	37	24	19	27
1	-	1	-	2	2	4	2	12	9	20	11	4	14
2	-	1	3	4	5	22	12	29	15	23	24	15	27
25	9	33	19	51	29	120	66	164	118	178	174	94	181
-	-	-	-	-	-	4	-	4	2	4	3	2	1
6	4	8	5	10	9	27	20	54	39	73	67	46	68

TABLE 39. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL DEATHS	DISEASES OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	ACCIDENTS	BRONCHITIS, EMPHYSEMA, ASTHMA & CHRONIC OBSTRUCTIVE PULMONARY DISEASE	INFLUENZA & PNEUMONIA	ARTERIOSCLEROSIS
TOTAL	21,756	7,659	4,625	2,021	1,319	830	704	486
Rate	826.4	290.9	175.7	76.8	50.1	31.5	26.7	18.5
Baker	153	54	39	16	10	6	2	1
Benton	328	109	75	33	21	13	9	5
Clackamas	1,756	588	379	180	110	51	80	39
Clatsop	343	116	70	49	23	15	10	9
Columbia	302	127	53	26	19	10	7	13
Coos	581	212	115	55	30	26	18	10
Crook	109	36	21	7	4	2	4	9
Curry	170	60	46	18	15	8	1	6
Deschutes	423	141	102	30	36	21	10	13
Douglas	682	243	153	55	54	27	22	10
Gilliam	21	10	3	-	2	-	-	-
Grant	83	25	13	2	9	2	9	-
Harney	67	18	12	2	6	5	2	2
Hood River	165	60	33	17	16	5	6	9
Jackson	1,056	338	249	95	56	48	42	23
Jefferson	79	24	15	7	10	6	5	-
Josephine	593	203	115	65	29	33	28	13
Klamath	478	168	97	47	34	15	20	9
Lake	61	17	10	11	5	1	1	-
Lane	1,802	618	405	153	122	78	63	35
Lincoln	386	118	92	34	22	17	15	14
Linn	697	242	153	63	46	35	20	11
Malheur	223	82	38	16	17	9	5	6
Marion	1,781	681	382	153	93	63	47	43
Morrow	49	18	14	5	4	2	-	-
Multnomah	5,941	2,143	1,199	557	292	211	171	148
Polk	382	130	91	45	18	12	11	14
Sherman	28	11	6	1	3	1	1	-
Tillamook	194	74	43	26	9	6	6	1
Umatilla	492	164	90	46	38	20	13	9
Union	221	88	40	14	20	9	11	3
Wallowa	84	39	13	5	9	2	7	2
Wasco	194	76	45	18	11	6	5	3
Washington	1,358	484	302	116	90	43	41	12
Wheeler	20	8	1	2	2	2	-	-
Yamhill	454	134	111	52	34	20	12	14

All rates per 100,000 population

TABLE 39. continued

SUICIDE	ALCOHOLISM, ALCOHOLIC CIRRHOSIS & ALCOHOLIC PSYCHOSIS 2/	DIABETES MELLITUS	OTHER DISEASES OF ARTERIES	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	HOMICIDE	NEPHRITIS & NEPHROSIS	SUDDEN INFANT DEATH SYNDROME	HYPERTENSION with or without RENAL DISEASE	UNDETERMINED WHETHER ACCIDENTALLY OF PURPOSELY INFLICTED	ALL OTHER CAUSES
388	347	297	255	219	160	145	135	132	60	56	1,918
14.7	13.2	11.3	9.7	8.3	6.1	5.5	5.1	5.0	2.3	2.1	72.9
2	3	2	4	1	1	1	-	-	-	-	11
7	3	7	2	3	2	1	2	3	3	-	30
33	25	23	18	22	16	12	16	12	4	4	144
7	3	3	1	3	-	1	4	3	3	-	23
3	2	2	2	2	1	1	3	1	1	1	28
13	13	7	6	7	2	7	5	4	-	2	49
6	2	3	1	-	2	-	-	1	1	-	10
2	-	1	1	-	-	2	2	-	-	1	7
10	10	2	6	5	6	4	1	4	-	-	22
17	7	16	4	4	5	5	4	5	2	3	46
1	1	-	-	-	-	-	-	-	-	-	4
4	-	-	3	1	1	2	1	2	1	-	8
2	3	1	-	-	2	-	2	1	-	-	9
-	1	2	1	1	2	-	-	-	-	-	12
14	15	8	21	10	8	7	4	1	4	3	170
2	1	1	-	1	-	1	-	2	-	-	4
11	8	9	8	4	3	2	5	6	2	1	48
12	9	8	6	3	4	6	1	5	1	3	30
2	-	2	2	2	1	1	-	1	2	-	3
42	19	30	20	18	18	8	11	8	7	3	144
10	6	3	5	5	6	2	3	-	1	2	31
10	9	6	9	7	3	6	4	6	1	1	65
3	1	4	3	3	2	2	1	-	1	1	29
29	18	32	25	22	19	8	10	8	4	3	141
-	1	1	-	2	-	-	-	-	-	-	2
100	148	73	60	58	30	50	31	36	11	21	602
4	4	6	4	5	1	1	2	3	1	3	27
1	2	-	2	-	-	-	-	-	-	-	-
2	2	2	2	1	1	1	2	-	1	-	15
6	6	14	11	8	2	2	3	6	1	2	51
1	2	3	2	3	1	-	1	-	2	-	21
-	1	-	1	-	-	-	1	-	-	-	4
-	2	3	2	-	5	2	1	1	-	-	14
25	16	14	20	14	15	8	10	11	6	1	130
-	-	-	-	-	-	-	-	-	-	-	5
7	4	9	3	4	1	2	5	2	-	1	39

2/ Of 349 total Cirrhosis of Liver, 295 were with mention of Alcoholism

TABLE 40. DEATHS BY COUNTY OF RESIDENCE BY SEX AND RACE, OREGON, 1980

COUNTY OF RESIDENCE	TOTAL	SEX		RACE								
		Male	Female	White	Black	Indian	Chin-ese	Japan-ese	Other Asian & Pacific Islander	Fili-pino	Other Non-White	Not Stated
TOTAL	21,756	12,080	9,676	21,205	273	131	46	30	35	16	2	13
Baker	153	72	81	153	-	-	-	-	-	-	-	-
Benton	328	173	155	325	1	1	1	-	-	-	-	-
Clackamas	1,756	976	780	1,732	2	7	2	1	7	2	-	3
Clatsop	343	201	142	339	1	1	1	-	-	1	-	-
Columbia	302	175	127	300	-	1	-	-	-	-	-	1
Coos	581	335	246	575	1	2	1	1	1	-	-	-
Crook	109	70	39	108	1	-	-	-	-	-	-	-
Curry	170	101	69	169	-	-	-	-	-	-	-	1
Deschutes	423	235	188	422	-	1	-	-	-	-	-	-
Douglas	682	412	270	680	-	2	-	-	-	-	-	-
Gilliam	21	15	6	21	-	-	-	-	-	-	-	-
Grant	83	48	35	83	-	-	-	-	-	-	-	-
Harney	67	28	39	65	-	2	-	-	-	-	-	-
Hood River	165	93	72	161	-	1	-	3	-	-	-	-
Jackson	1,056	618	438	1,051	2	1	1	-	1	-	-	-
Jefferson	79	47	32	62	3	14	-	-	-	-	-	-
Josephine	593	337	256	592	-	1	-	-	-	-	-	-
Klamath	478	284	194	454	1	23	-	-	-	-	-	-
Lake	61	40	21	61	-	-	-	-	-	-	-	-
Lane	1,802	994	808	1,790	5	5	-	-	1	-	-	1
Lincoln	386	216	170	379	1	3	-	-	-	-	1	2
Linn	697	400	297	695	1	1	-	-	-	-	-	-
Malheur	223	126	97	214	-	1	-	8	-	-	-	-
Marion	1,781	994	787	1,766	1	10	1	-	2	1	-	-
Morrow	49	32	17	49	-	-	-	-	-	-	-	-
Multnomah	5,941	3,142	2,799	5,578	250	29	35	16	20	9	1	3
Polk	382	231	151	379	1	2	-	-	-	-	-	-
Sherman	28	18	10	28	-	-	-	-	-	-	-	-
Tillamook	194	122	72	192	-	2	-	-	-	-	-	-
Umatilla	492	291	201	472	3	15	1	-	-	1	-	-
Union	221	124	97	219	1	-	-	-	-	-	-	1
Wallowa	84	46	38	84	-	-	-	-	-	-	-	-
Wasco	194	105	89	191	1	2	-	-	-	-	-	-
Washington	1,358	729	629	1,345	2	2	2	1	3	2	-	1
Wheeler	20	14	6	20	-	-	-	-	-	-	-	-
Yamhill	454	236	218	451	-	2	1	-	-	-	-	-

TABLE 41. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1980

COUNTY OF ACCIDENT	TOTAL		HOME	MOTOR VEHICLE	PUBLIC	OCCUPA-TIONAL	UNCLAS-SIFIED
	Number	Rate[1]					
TOTAL	1,288	48.9	211	699	273	64	41
Baker	12	74.4	-	10	2	-	-
Benton	17	24.9	3	10	2	2	-
Clackamas	97	40.1	12	55	27	3	-
Clatsop	26	80.0	5	12	7	2	-
Columbia	15	42.1	1	10	3	1	-
Coos	29	45.3	6	11	11	1	-
Crook	6	45.8	1	3	1	1	-
Curry	19	111.8	1	8	9	1	-
Deschutes	27	43.4	2	17	6	2	-
Douglas	53	56.5	7	31	13	2	-
Gilliam	1	48.6	-	1	-	-	-
Grant	12	146.2	1	5	4	2	-
Harney	7	84.2	-	4	2	-	1
Hood River	16	101.0	3	9	4	-	-
Jackson	58	43.8	14	31	10	3	-
Jefferson	14	120.7	-	12	1	1	-
Josephine	30	51.0	7	19	2	-	2
Klamath	37	62.6	6	28	3	-	-
Lake	8	106.2	2	5	1	-	-
Lane	107	38.9	22	65	9	11	-
Lincoln	25	70.9	6	9	9	1	-
Linn	52	58.1	6	31	11	4	-
Malheur	13	48.3	-	10	-	2	1
Marion	89	43.5	9	65	11	4	-
Morrow	3	39.9	-	1	2	-	-
Multnomah	226	40.2	52	105	55	9	5
Polk	19	42.0	2	12	5	-	-
Sherman	5	230.2	1	4	-	-	-
Tillamook	22	104.0	-	14	6	2	-
Umatilla	39	66.3	10	21	7	1	-
Union	22	92.0	7	9	5	1	-
Wallowa	8	110.0	-	6	-	2	-
Wasco	15	69.0	2	3	9	1	-
Washington	72	29.3	18	41	10	3	-
Wheeler	3	198.3	-	2	-	1	-
Yamhill	26	47.0	1	19	5	1	-
Unknown	58		4	1	21	-	32

[1] Rate per 100,000 population

TABLE 42. ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE AND AUTOPSY, OREGON, 1980

COUNTY OF OCCURRENCE	ALL DEATHS			MEDICAL EXAMINER CASES		
	Number	Cases Autopsied		Number	Cases Autopsied	
		Number	Percent		Number	Percent
TOTAL	21,779	3,052	14.0	4,027	1,088	27.0
Baker	139	9	6.5	32	5	15.6
Benton	411	60	14.6	62	22	35.5
Clackamas	1,629	176	10.8	283	75	26.5
Clatsop	288	23	8.0	66	13	19.7
Columbia	195	13	6.7	31	6	19.4
Coos	563	72	12.8	104	42	40.4
Crook	104	6	5.8	27	2	7.4
Curry	118	7	5.9	42	7	16.7
Deschutes	452	59	13.1	93	28	30.1
Douglas	659	154	23.4	193	55	28.5
Gilliam	10	1	10.0	3	-	0.0
Grant	83	7	8.4	30	5	16.7
Harney	60	2	3.3	13	2	15.4
Hood River	154	4	2.6	41	2	4.9
Jackson	1,089	100	9.2	167	37	22.2
Jefferson	71	6	8.5	24	5	20.8
Josephine	596	45	7.6	83	26	31.3
Klamath	486	42	8.6	116	34	29.3
Lake	61	6	9.8	20	5	25.0
Lane	1,838	257	14.0	238	106	44.5
Lincoln	307	37	12.1	73	14	19.2
Linn	545	61	11.2	114	43	37.7
Malheur	252	31	12.3	53	14	26.4
Marion	1,775	189	10.6	249	80	32.1
Morrow	33	2	6.1	9	2	22.2
Multnomah	6,718	1,323	19.7	1,227	332	27.1
Polk	237	27	11.4	56	19	33.9
Sherman	11	-	0.0	7	-	0.0
Tillamook	166	11	6.6	64	10	15.6
Umatilla	404	49	12.1	85	27	31.8
Union	215	13	6.0	47	7	14.9
Wallowa	63	-	0.0	9	-	0.0
Wasco	230	15	6.5	35	2	5.7
Washington	1,416	219	15.5	258	46	17.8
Wheeler	7	2	28.6	5	2	40.0
Yamhill	394	24	6.1	68	13	19.1

TABLE 43. DEATHS OCCURRING IN OREGON BY COUNTY OF RESIDENCE AND DISPOSAL OF REMAINS, 1980

COUNTY OF RESIDENCE	TOTAL	BURIAL	CREMATION	MAUSOLEUM	REMOVAL	OTHER
Total	21,779	14,164	4,939	1,672	966	38
%	100.0	65.0	22.7	7.7	4.4	0.2
Baker	138	116	17	-	5	-
Benton	321	189	96	15	20	1
Clackamas	1,711	1,094	383	174	56	4
Clatsop	325	199	101	9	15	1
Columbia	237	180	42	7	7	1
Coos	572	395	141	19	16	1
Crook	106	92	13	-	1	-
Curry	146	86	49	1	7	3
Deschutes	408	272	98	17	21	-
Douglas	655	501	127	9	17	1
Gilliam	18	13	1	-	4	-
Grant	81	68	10	1	2	-
Harney	60	54	3	-	3	-
Hood River	159	122	25	5	7	-
Jackson	1,027	661	282	47	36	1
Jefferson	77	69	8	-	-	-
Josephine	578	306	202	17	53	-
Klamath	464	333	98	12	21	-
Lake	58	50	8	-	-	-
Lane	1,759	1,128	476	86	68	1
Lincoln	371	184	141	28	18	-
Linn	684	528	121	24	10	1
Malheur	182	168	9	-	5	-
Marion	1,740	1,228	353	108	48	3
Morrow	46	35	5	1	5	-
Multnomah	5,768	3,410	1,322	829	193	14
Polk	374	273	69	20	12	-
Sherman	28	20	5	2	1	-
Tillamook	190	132	45	6	7	-
Umatilla	389	305	36	10	38	-
Union	205	178	20	-	7	-
Wallowa	75	69	5	-	1	-
Wasco	187	139	38	8	2	-
Washington	1,318	794	313	151	56	4
Wheeler	20	15	1	-	4	-
Yamhill	440	306	63	52	18	1
Out-of-State	862	452	213	14	182	1

TABLE 44. DEATHS BY MARITAL STATUS, SEX AND AGE GROUPS, OREGON, 1980

MARITAL STATUS & SEX	TOTAL	AGE AT DEATH							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
TOTAL 1/	21,756	740	242	295	272	255	274	304	487
Male 1/	12,077	413	168	222	201	174	191	198	315
Female	9,676	326	74	73	71	81	83	106	172
SINGLE	2,431	738	233	223	121	57	37	21	39
Male	1,563	413	164	178	92	46	34	16	33
Female	867	324	69	45	29	11	3	5	6
MARRIED	10,279	1	7	58	104	137	170	203	328
Male	7,235	-	3	36	74	87	114	128	205
Female	3,042	1	4	22	30	50	56	75	123
WIDOWED	7,032	-	-	-	-	3	5	6	21
Male	1,935	-	-	-	-	2	-	2	9
Female	5,097	-	-	-	-	1	5	4	12
DIVORCED	1,897	-	2	14	45	55	61	71	93
Male	1,246	-	1	8	33	37	43	49	63
Female	651	-	1	6	12	18	18	22	30
UNKNOWN 1/	117	1	-	-	2	3	1	3	6
Male 1/	98	-	-	-	2	2	-	3	5
Female	19	1	-	-	-	1	1	-	1

MARITAL STATUS & SEX	AGE AT DEATH								
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+
TOTAL	762	1,298	1,730	2,281	2,723	2,890	2,817	2,412	1,972
Male	478	858	1,095	1,435	1,634	1,628	1,364	990	711
Female	284	440	634	846	1,089	1,262	1,453	1,421	1,261
SINGLE	36	63	77	107	125	128	152	158	116
Male	29	52	59	77	75	85	91	70	49
Female	7	11	18	30	50	43	61	88	67
MARRIED	523	930	1,170	1,490	1,635	1,479	1,133	644	267
Male	326	630	779	1,038	1,157	1,110	832	495	221
Female	197	300	390	452	478	369	301	148	46
WIDOWED	40	112	218	436	707	1,074	1,386	1,497	1,527
Male	10	34	71	144	223	300	360	370	410
Female	30	78	147	292	484	774	1,026	1,127	1,117
DIVORCED	154	180	255	234	242	197	135	108	51
Male	104	132	177	163	167	124	71	51	23
Female	50	48	78	71	75	73	64	57	28
UNKNOWN	9	13	10	14	14	12	11	5	11
Male	9	10	9	13	12	9	10	4	8
Female	-	3	1	1	2	3	1	1	3

2/ Includes 2 with age not stated

TABLE 45. DEATHS BY SELECTED CAUSES WITH RATES FOR OREGON AND SELECTED CITIES, OREGON, 1980

SELECTED CAUSES OF DEATH	STATE AND CITIES							
	OREGON		PORTLAND		SALEM		EUGENE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	21,756	826.4	4,742	1294.3	997	1117.3	720	681.7
Tuberculosis, All Forms (010-018)	21	0.8	11	3.0	1	1.1	1	0.9
Septicemia (038)	69	2.6	23	6.3	4	4.5	3	2.8
Viral Hepatitis (070)	9	0.3	1	0.3	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	65	2.5	11	3.0	5	5.6	2	1.9
Malignant Neoplasms (140-208)	4,625	175.7	961	262.3	222	248.8	154	145.8
Of Buccal Cavity & Pharynx (140-149)	78	3.0	13	3.5	8	9.0	4	3.8
Of Digestive Organs & Peritoneum (150-159)	1,187	45.1	269	73.4	61	68.4	37	35.0
Of Resp. & Intrathoracic Organs (160-165)	1,320	50.1	277	75.6	55	61.6	35	33.1
Of Breast (174-175)	377	14.3	64	17.5	17	19.1	14	13.3
Of Genital Organs (179-187)	513	19.5	115	31.4	26	29.1	18	17.0
Of Urinary Organs (188-189)	202	7.7	36	9.8	9	10.1	11	10.4
Leukemia (204-208)	183	7.0	23	6.3	7	7.8	5	4.7
Benign Neoplasms (210-229)	17	0.6	3	0.8	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	35	1.3	10	2.7	2	2.2	1	0.9
Diabetes Mellitus (250)	297	11.3	51	13.9	18	20.2	15	14.2
Anemias (280-285)	23	0.9	2	0.5	-	-	1	0.9
Alcoholic Psychoses, Alcoholism (291, 303)	52	2.0	20	5.5	2	2.2	3	2.8
Drug Dependence (304)	10	0.4	8	2.2	-	-	-	-
Meningitis (302-322)	24	0.9	6	1.6	2	2.2	1	0.9
Parkinson's Disease (332)	78	3.0	18	4.9	1	1.1	8	7.6
Epilepsy (345)	23	0.9	3	0.8	-	-	-	-
Major Cardiovascular Diseases (390-448)	10,481	398.1	2,335	637.3	505	565.9	324	306.7
Diseases of the Heart (390-398, 402, 404 - 429)	7,659	290.9	1,712	467.3	378	423.6	228	215.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	98	3.7	25	6.8	4	4.5	2	1.9
Hypertensive Heart Disease with/without Renal Disease (402, 404)	205	7.8	60	16.4	12	13.5	7	6.6
Ischemic Heart Disease (410-414)	6,147	233.5	1,344	366.8	295	330.6	181	171.4
Myocardial Infarction (410)	2,389	90.7	430	117.4	113	126.6	61	57.8
Other Acute & Subacute Ischemic Heart Disease (411)	15	0.6	4	1.1	2	2.2	1	1.9
Chronic Ischemic Heart Disease (412-414)	3,743	142.2	910	248.4	180	201.7	119	112.7
All Other Forms (415-429)	1,209	45.9	283	77.2	67	75.1	38	36.0
Hypertension (401, 403)	60	2.3	7	1.9	1	1.1	3	2.8
Cerebrovascular Disease (430-438)	2,021	76.8	454	123.9	75	84.1	71	67.2
Subarachnoid Hemorrhage (430)	94	3.6	28	7.6	2	2.2	3	2.8
Intracerebral & Intracranial Hemorrhages (431-432)	209	7.9	61	16.6	8	9.0	12	11.4
Cerebral Thrombosis & Embolism (434)	403	15.3	94	25.7	12	13.5	24	22.7
Acute but Ill-Defined Cerebrovascular Disease (436)	1,004	38.1	194	53.0	39	43.7	22	20.8
General Ischemic Cerebrovascular Disease (437)	234	8.9	61	16.7	10	11.2	9	8.5
Arteriosclerosis (440)	486	18.5	110	30.0	36	40.3	13	12.3
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	255	9.7	52	14.2	15	16.8	9	8.5
Venous Thrombosis & Embolism (451-453)	34	1.3	11	3.0	-	-	-	-
Pneumonia (480-486)	644	24.5	125	34.1	27	30.3	32	30.3
Influenza (487)	60	2.3	15	4.1	2	2.2	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	830	31.5	163	44.5	35	39.2	30	28.4
Peptic Ulcer (531-533)	50	1.9	8	2.2	1	1.1	1	0.9
Hernia & Intestinal Obst. (550-553.9, 560)	51	1.9	13	3.5	3	3.4	-	-
Cirrhosis of the Liver (571)	349	13.3	117	31.9	13	14.6	8	7.6
Alcoholic Cirrhosis (571.0-.3)	295	11.2	106	28.9	11	12.3	6	5.7
Diseases of the Gallbladder (574-576)	41	1.6	6	1.6	1	1.1	1	0.9
Diseases of the Pancreas (577)	26	1.0	5	1.4	3	3.4	-	-
Nephritis & Nephrosis (580-589)	135	5.1	26	7.1	6	6.7	6	5.7
Infections of the Kidney (590)	26	1.0	5	1.4	1	1.1	1	0.9
Diseases of Male Genital Organs (600-608)	9	0.3	3	0.8	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	3	0.1	1	0.3	1	1.1	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	1	0.0	-	-	-	-	-	-
Congenital Anomalies (740-759)	160	6.1	18	4.9	11	12.3	7	6.6
Certain Causes of Mortality in Early Infancy (760-779)	219	8.3	48	13.1	10	11.2	10	9.5
Senility (797)	12	0.5	1	0.3	-	-	1	0.9
Sudden Infant Death Syndrome (798.0)	132	5.0	29	7.9	8	9.0	2	1.9
All Other Natural Causes	1,237	47.0	338	92.3	42	47.1	42	39.8
Accidents (800-949)	1,319	50.1	214	58.4	43	48.2	43	40.7
Motor Vehicle (810-825)	710	27.0	94	25.7	27	30.3	26	24.6
Suicide (950-959)	388	14.7	74	20.2	20	22.4	17	16.1
Homicide (960-978)	145	5.5	41	11.2	7	7.8	5	4.7
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	56	2.1	18	4.9	1	1.1	1	0.9

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER		BENTON		CLACKAMAS		CLATSOP	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	153	948.3	328	480.9	1,756	725.9	343	1055.7
Tuberculosis, All Forms (010-018)	-	-	1	1.5	1	0.4	-	-
Septicemia (038)	-	-	1	1.5	5	2.1	1	3.1
Viral Hepatitis (070)	-	-	-	-	3	1.2	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	-	-	1	1.5	6	2.5	1	3.1
Malignant Neoplasms (140-208)	39	241.7	75	110.0	379	156.7	70	215.5
Of Buccal Cavity & Pharynx (140-149)	-	-	1	1.5	6	2.5	4	12.3
Of Digestive Organs & Peritoneum (150-159)	12	74.4	11	16.1	104	43.0	15	46.2
Of Resp. & Intrathoracic Organs (160-165)	6	37.2	15	22.0	104	43.0	23	70.8
Of Breast (174-175)	2	12.4	9	13.2	31	12.8	6	18.5
Of Genital Organs (179-187)	6	37.2	12	17.6	34	14.1	10	30.8
Of Urinary Organs (188-189)	2	12.4	4	5.9	12	5.0	5	15.4
Leukemia (204-208)	2	12.4	3	4.4	19	7.9	2	6.2
Benign Neoplasms (210-229)	-	-	-	-	-	-	2	6.2
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	1	1.5	2	0.8	-	-
Diabetes Mellitus (250)	2	12.4	7	10.3	23	9.5	3	9.2
Anemias (280-285)	-	-	-	-	2	0.8	1	3.1
Alcoholic Psychoses, Alcoholism (291, 303)	-	-	-	-	3	1.2	1	3.1
Drug Dependence (304)	-	-	-	-	1	0.4	-	-
Meningitis (302-322)	-	-	-	-	4	1.7	-	-
Parkinson's Disease (332)	1	6.2	1	1.5	4	1.7	1	3.1
Epilepsy (345)	-	-	1	1.5	2	0.8	-	-
Major Cardiovascular Diseases (390-448)	75	464.9	152	222.8	829	342.7	178	547.9
Diseases of the Heart (390-398, 402, 404 - 429)	54	334.7	109	159.8	588	243.1	116	357.0
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	2	12.4	-	-	4	1.7	1	3.1
Hypertensive Heart Disease with/without Renal Disease (402, 404)	2	12.4	5	7.3	18	7.4	5	15.4
Ischemic Heart Disease (410-414)	39	241.7	87	127.5	498	205.9	77	237.0
Myocardial Infarction (410)	10	62.0	34	49.9	166	68.6	33	101.6
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	-	-	2	0.8	-	-
Chronic Ischemic Heart Disease (412-414)	29	179.7	53	77.7	330	136.4	44	135.4
All Other Forms (415-429)	11	68.2	17	24.9	68	28.1	33	101.6
Hypertension (401, 403)	-	-	3	4.4	4	1.7	3	9.2
Cerebrovascular Disease (430-438)	16	99.2	33	48.4	180	74.4	49	150.8
Subarachnoid Hemorrhage (430)	-	-	1	1.5	4	1.7	-	-
Intracerebral & Intracranial Hemorrhages (431-432)	1	6.2	3	4.4	13	5.4	4	12.3
Cerebral Thrombosis & Embolism (434)	2	12.4	8	11.7	52	21.5	11	33.9
Acute but Ill-Defined Cerebrovascular Disease (436)	10	62.0	16	23.5	83	34.3	27	83.1
General Ischemic Cerebrovascular Disease (437)	2	12.4	4	5.9	26	10.7	5	15.4
Arteriosclerosis (440)	1	6.2	5	7.3	39	16.1	9	27.7
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	4	24.8	2	2.9	18	7.4	1	3.1
Venous Thrombosis & Embolism (451-453)	-	-	1	1.5	5	2.1	-	-
Pneumonia (480-486)	2	12.4	9	13.2	66	27.3	10	30.8
Influenza (487)	-	-	-	-	14	5.8	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	6	37.2	13	19.1	51	21.1	15	46.2
Peptic Ulcer (531-533)	1	6.2	1	1.5	2	0.8	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	1	1.5	-	-	-	-
Cirrhosis of the Liver (571)	3	18.6	5	7.3	25	10.3	3	9.2
Alcoholic Cirrhosis (571.0-.3)	3	18.6	3	4.4	22	9.1	2	6.2
Diseases of the Gallbladder (574-576)	1	6.2	-	-	3	1.2	1	3.1
Diseases of the Pancreas (577)	-	-	-	-	-	-	-	-
Nephritis & Nephrosis (580-589)	-	-	2	2.9	16	6.6	4	12.3
Infections of the Kidney (590)	-	-	-	-	2	0.8	-	-
Diseases of Male Genital Organs (600-608)	-	-	-	-	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	1	6.2	2	2.9	16	6.6	-	-
Certain Causes of Mortality in Early Infancy (760-779)	1	6.2	3	4.4	22	9.1	3	9.2
Senility (797)	-	-	-	-	-	-	1	3.1
Sudden Infant Death Syndrome (798.0)	-	-	3	4.4	12	5.0	3	9.2
All Other Natural Causes	8	49.6	19	27.9	99	40.9	14	43.1
Accidents (800-949)	10	62.0	21	30.8	110	45.5	23	70.8
Motor Vehicle (810-825)	8	49.6	10	14.7	60	24.8	9	27.7
Suicide (950-959)	2	12.4	7	10.3	33	13.6	7	21.5
Homicide (960-978)	1	6.2	1	1.5	12	5.0	1	3.1
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	-	-	-	-	4	1.7	-	-

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	302	847.2	581	907.1	109	832.6	170	1000.5
Tuberculosis, All Forms (010-018)	1	2.8	1	1.6	-	-	-	-
Septicemia (038)	1	2.8	-	-	-	-	-	-
Viral Hepatitis (070)	-	-	-	-	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	1	2.8	4	6.2	-	-	-	-
Malignant Neoplasms (140-208)	53	148.7	115	179.6	21	160.4	46	270.7
Of Buccal Cavity & Pharynx (140-149)	2	5.6	1	1.6	-	-	-	-
Of Digestive Organs & Peritoneum (150-159)	14	39.3	25	39.0	6	45.8	13	76.5
Of Resp. & Intrathoracic Organs (160-165)	11	30.9	31	48.4	8	61.1	13	76.5
Of Breast (174-175)	4	11.2	17	26.5	1	7.6	2	11.8
Of Genital Organs (179-187)	6	16.8	15	23.4	2	15.3	4	23.5
Of Urinary Organs (188-189)	3	8.4	4	6.2	1	7.6	3	17.7
Leukemia (204-208)	3	8.4	5	7.8	-	-	3	17.7
Benign Neoplasms (210-229)	2	5.6	1	1.6	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	-	-	-	-	-	-
Diabetes Mellitus (250)	2	5.6	7	10.9	3	22.9	1	5.9
Anemias (280-285)	-	-	-	-	-	-	1	5.9
Alcoholic Psychoses, Alcoholism (291, 303)	1	2.8	-	-	1	7.6	-	-
Drug Dependence (304)	1	2.8	-	-	-	-	-	-
Meningitis (302-322)	-	-	2	3.1	-	-	-	-
Parkinson's Disease (332)	1	2.8	2	3.1	-	-	1	5.9
Epilepsy (345)	-	-	-	-	-	-	-	-
Major Cardiovascular Diseases (390-448)	169	474.1	283	441.9	54	412.5	85	500.2
Diseases of the Heart (390-398, 402, 404 - 429)	127	356.3	212	331.0	36	275.0	60	353.1
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	2	5.6	2	3.1	-	-	1	5.9
Hypertensive Heart Disease with/without Renal Disease (402, 404)	-	-	3	4.7	1	7.6	1	5.9
Ischemic Heart Disease (410-414)	98	274.9	186	290.4	33	252.1	44	258.9
Myocardial Infarction (410)	37	103.8	74	115.5	13	99.3	24	141.2
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	-	-	-	-	-	-
Chronic Ischemic Heart Disease (412-414)	61	171.1	112	174.9	20	152.8	20	117.7
All Other Forms (415-429)	27	75.7	21	32.8	2	15.3	14	82.4
Hypertension (401, 403)	1	2.8	-	-	1	7.6	-	-
Cerebrovascular Disease (430-438)	26	72.9	55	85.9	7	53.5	18	105.9
Subarachnoid Hemorrhage (430)	1	2.8	1	1.6	-	-	1	5.9
Intracerebral & Intracranial Hemorrhages (431-432)	1	2.8	6	9.4	-	-	2	11.8
Cerebral Thrombosis & Embolism (434)	6	16.8	13	20.3	2	15.3	3	17.7
Acute but Ill-Defined Cerebrovascular Disease (436)	14	39.3	33	51.5	3	22.9	11	64.7
General Ischemic Cerebrovascular Disease (437)	3	8.4	1	1.6	2	15.3	-	-
Arteriosclerosis (440)	13	36.5	10	15.6	9	68.8	6	35.3
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	2	5.6	6	9.4	1	7.6	1	5.9
Venous Thrombosis & Embolism (451-453)	-	-	1	1.6	-	-	-	-
Pneumonia (480-486)	7	19.6	17	26.5	4	30.6	1	5.9
Influenza (487)	-	-	1	1.6	-	-	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	10	28.1	26	40.6	2	15.3	8	47.1
Peptic Ulcer (531-533)	1	2.8	-	-	1	7.6	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	-	-	2	15.3	-	-
Cirrhosis of the Liver (571)	2	5.6	14	21.9	1	7.6	1	5.9
Alcoholic Cirrhosis (571.0-.3)	1	2.8	13	20.3	1	7.6	-	-
Diseases of the Gallbladder (574-576)	1	2.8	2	3.1	-	-	-	-
Diseases of the Pancreas (577)	1	2.8	-	-	-	-	-	-
Nephritis & Nephrosis (580-589)	3	8.4	5	7.8	-	-	2	11.8
Infections of the Kidney (590)	-	-	-	-	1	7.6	-	-
Diseases of Male Genital Organs (600-608)	-	-	1	1.6	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	1	2.8	2	3.1	2	15.3	-	-
Certain Causes of Mortality in Early Infancy (760-779)	2	5.6	7	10.9	-	-	-	-
Senility (797)	-	-	-	-	-	-	-	-
Sudden Infant Death Syndrome (798.0)	1	2.8	4	6.3	1	7.6	-	-
All Other Natural Causes	17	47.7	34	53.1	6	45.8	4	23.5
Accidents (800-949)	19	53.3	30	46.8	4	30.6	15	88.3
Motor Vehicle (810-825)	12	33.7	11	17.2	2	15.3	7	41.2
Suicide (950-959)	3	8.4	13	20.3	6	45.8	2	11.8
Homicide (960-978)	1	2.8	7	10.9	-	-	2	11.8
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	1	2.8	2	3.1	-	-	1	5.9

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	423	680.7	682	727.5	21	1020.9	83	1011.0
Tuberculosis, All Forms (010-018)	-	-	1	1.1	-	-	-	-
Septicemia (038)	-	-	-	-	-	-	-	-
Viral Hepatitis (070)	-	-	1	1.1	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	1	1.6	2	2.1	-	-	-	-
Malignant Neoplasms (140-208)	102	164.1	153	163.2	3	145.8	13	158.3
Of Buccal Cavity & Pharynx (140-149)	1	1.6	2	2.1	-	-	-	-
Of Digestive Organs & Peritoneum (150-159)	16	25.7	41	43.7	-	-	5	60.9
Of Resp. & Intrathoracic Organs (160-165)	37	59.5	53	56.5	1	48.6	3	36.5
Of Breast (174-175)	9	14.5	13	13.9	-	-	2	24.4
Of Genital Organs (179-187)	11	17.7	12	12.8	1	48.6	1	12.2
Of Urinary Organs (188-189)	12	19.3	7	7.5	-	-	-	-
Leukemia (204-208)	4	6.4	8	8.5	-	-	-	-
Benign Neoplasms (210-229)	3	4.8	-	-	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	1	1.6	1	1.1	-	-	-	-
Diabetes Mellitus (250)	2	3.2	16	17.1	-	-	-	-
Anemias (280-285)	-	-	-	-	-	-	-	-
Alcoholic Psychoses, Alcoholism (291, 303)	3	4.8	1	1.1	-	-	-	-
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	-	-	-	-	-	-	-	-
Parkinson's Disease (332)	-	-	1	1.1	-	-	-	-
Epilepsy (345)	1	1.6	1	1.1	-	-	-	-
Major Cardiovascular Diseases (390-448)	190	305.8	314	334.9	10	486.1	31	377.6
Diseases of the Heart (390-398, 402, 404 - 429)	141	226.9	243	259.2	10	486.1	25	304.5
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	5	8.0	3	3.2	-	-	2	24.4
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	1.6	2	2.1	-	-	-	-
Ischemic Heart Disease (410-414)	104	167.4	204	217.6	10	486.1	22	268.0
Myocardial Infarction (410)	54	86.9	62	66.1	2	97.2	5	60.9
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	1	1.1	-	-	-	-
Chronic Ischemic Heart Disease (412-414)	50	80.5	141	150.4	8	388.9	17	207.1
All Other Forms (415-429)	31	49.9	34	36.3	-	-	1	12.2
Hypertension (401, 403)	-	-	2	2.1	-	-	1	12.2
Cerebrovascular Disease (430-438)	30	48.3	55	58.7	-	-	2	24.4
Subarachnoid Hemorrhage (430)	-	-	4	4.3	-	-	-	-
Intracerebral & Intracranial Hemorrhages (431-432)	3	4.8	5	5.3	-	-	-	-
Cerebral Thrombosis & Embolism (434)	2	3.2	8	8.5	-	-	1	12.2
Acute but Ill-Defined Cerebrovascular Disease (436)	21	33.8	34	36.3	-	-	1	12.2
General Ischemic Cerebrovascular Disease (437)	3	4.8	3	3.2	-	-	-	-
Arteriosclerosis (440)	13	20.9	10	10.7	-	-	-	-
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	6	9.7	4	4.3	-	-	3	36.5
Venous Thrombosis & Embolism (451-453)	1	1.6	-	-	1	48.6	-	-
Pneumonia (480-486)	10	16.1	19	20.3	-	-	8	97.4
Influenza (487)	-	-	3	3.2	-	-	1	12.2
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	21	33.8	27	28.8	-	-	2	24.4
Peptic Ulcer (531-533)	1	1.6	2	2.1	-	-	1	12.2
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	1	1.1	-	-	1	12.2
Cirrhosis of the Liver (571)	10	16.1	8	8.5	1	48.6	-	-
Alcoholic Cirrhosis (571.0-.3)	7	11.3	6	6.4	1	48.6	-	-
Diseases of the Gallbladder (574-576)	-	-	3	3.2	-	-	-	-
Diseases of the Pancreas (577)	1	1.6	1	1.1	-	-	-	-
Nephritis & Nephrosis (580-589)	1	1.6	4	4.3	-	-	1	12.2
Infections of the Kidney (590)	1	1.6	1	1.1	-	-	-	-
Diseases of Male Genital Organs (600-608)	-	-	-	-	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	6	9.7	5	5.3	-	-	1	12.2
Certain Causes of Mortality in Early Infancy (760-779)	5	8.0	4	4.3	-	-	1	12.2
Senility (797)	-	-	2	2.1	-	-	-	-
Sudden Infant Death Syndrome (798.0)	4	6.4	5	5.3	-	-	2	24.4
All Other Natural Causes	9	14.5	27	28.8	3	145.8	6	73.1
Accidents (800-949)	36	57.9	54	57.6	2	97.2	9	109.6
Motor Vehicle (810-825)	19	30.6	33	35.2	1	48.6	6	73.1
Suicide (950-959)	10	16.1	17	18.1	1	48.6	4	48.7
Homicide (960-978)	4	6.4	5	5.3	-	-	2	24.4
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	-	-	3	3.2	-	-	-	-

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY		HOOD RIVER		JACKSON		JEFFERSON	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	67	805.9	165	1042.0	1,056	797.2	79	681.1
Tuberculosis, All Forms (010-018)	-	-	-	-	-	-	-	-
Septicemia (038)	1	12.0	-	-	4	3.0	-	-
Viral Hepatitis (070)	-	-	-	-	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	2	24.1	-	-	3	2.3	-	-
Malignant Neoplasms (140-208)	12	144.3	33	208.4	249	188.0	15	129.3
Of Buccal Cavity & Pharynx (140-149)	-	-	-	-	5	3.8	-	-
Of Digestive Organs & Peritoneum (150-159)	2	24.1	4	25.3	52	39.3	7	60.4
Of Resp. & Intrathoracic Organs (160-165)	3	36.1	10	63.2	71	53.6	5	43.1
Of Breast (174-175)	4	48.1	2	12.6	23	17.4	2	17.2
Of Genital Organs (179-187)	-	-	5	31.6	27	20.4	-	-
Of Urinary Organs (188-189)	1	12.0	-	-	19	14.4	-	-
Leukemia (204-208)	1	12.0	2	12.6	12	9.1	-	-
Benign Neoplasms (210-229)	-	-	1	6.3	1	0.8	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	-	-	-	-	-	-
Diabetes Mellitus (250)	1	12.0	2	12.6	8	6.0	1	8.6
Anemias (280-285)	-	-	1	6.3	3	2.3	1	8.6
Alcoholic Psychoses, Alcoholism (291, 303)	1	12.0	1	6.3	4	3.0	-	-
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	-	-	-	-	1	0.8	-	-
Parkinson's Disease (332)	-	-	-	-	3	2.3	-	-
Epilepsy (345)	-	-	-	-	1	0.8	-	-
Major Cardiovascular Diseases (390-448)	22	264.6	87	549.4	481	363.1	31	267.3
Diseases of the Heart (390-398, 402, 404 - 429)	18	216.5	60	378.9	338	255.2	24	206.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	1	12.0	1	6.3	5	3.8	-	-
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	12.0	1	6.3	8	6.0	1	8.6
Ischemic Heart Disease (410-414)	10	120.3	49	309.4	276	208.4	19	163.8
Myocardial Infarction (410)	9	108.3	19	120.0	135	101.9	13	112.1
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	1	6.3	1	0.8	-	-
Chronic Ischemic Heart Disease (412-414)	1	12.0	29	183.1	140	105.7	6	51.7
All Other Forms (415-429)	6	72.2	9	56.8	49	37.0	4	34.5
Hypertension (401, 403)	-	-	-	-	4	3.0	-	-
Cerebrovascular Disease (430-438)	2	24.1	17	107.4	95	71.7	7	60.4
Subarachnoid Hemorrhage (430)	-	-	-	-	4	3.0	1	8.6
Intracerebral & Intracranial Hemorrhages (431-432)	-	-	1	6.3	14	10.6	1	8.6
Cerebral Thrombosis & Embolism (434)	1	12.0	-	-	11	8.3	-	-
Acute but Ill-Defined Cerebrovascular Disease (436)	-	-	12	75.8	54	40.8	5	43.1
General Ischemic Cerebrovascular Disease (437)	1	12.0	3	18.9	11	8.3	-	-
Arteriosclerosis (440)	2	24.1	9	56.8	23	17.4	-	-
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	-	-	1	6.3	21	15.9	-	-
Venous Thrombosis & Embolism (451-453)	-	-	-	-	-	-	-	-
Pneumonia (480-486)	2	24.1	6	37.9	40	30.2	5	43.1
Influenza (487)	-	-	-	-	2	1.5	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	5	60.1	5	31.6	48	36.2	6	51.7
Peptic Ulcer (531-533)	-	-	1	6.3	2	1.5	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	1	12.0	-	-	4	3.0	-	-
Cirrhosis of the Liver (571)	2	24.1	-	-	14	10.6	1	8.6
Alcoholic Cirrhosis (571.0-.3)	2	24.1	-	-	11	8.3	1	8.6
Diseases of the Gallbladder (574-576)	-	-	-	-	5	3.8	-	-
Diseases of the Pancreas (577)	-	-	-	-	3	2.3	-	-
Nephritis & Nephrosis (580-589)	2	24.1	-	-	4	3.0	-	-
Infections of the Kidney (590)	-	-	-	-	-	-	-	-
Diseases of Male Genital Organs (600-608)	-	-	-	-	1	0.8	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	2	24.1	2	12.6	8	6.0	-	-
Certain Causes of Mortality in Early Infancy (760-779)	-	-	1	6.3	10	7.6	1	8.6
Senility (797)	-	-	-	-	-	-	-	-
Sudden Infant Death Syndrome (798.0)	1	12.0	-	-	1	0.8	2	17.2
All Other Natural Causes	5	60.1	9	56.8	76	57.4	3	25.9
Accidents (800-949)	6	72.2	16	101.0	56	42.3	10	86.2
Motor Vehicle (810-825)	3	36.1	8	50.5	32	24.2	9	77.6
Suicide (950-959)	2	24.1	-	-	14	10.6	2	17.2
Homicide (960-978)	-	-	-	-	7	5.3	1	8.6
Injuries Undetermined Whether Accidentally of Purposely Inflicted (980-989)	-	-	-	-	3	2.3	-	-

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	JOSEPHINE		KLAMATH		LAKE		LANE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	593	1008.2	478	808.6	61	809.9	1,802	654.7
Tuberculosis, All Forms (010-018)	-	-	-	-	-	-	1	0.4
Septicemia (038)	3	5.1	-	-	-	-	4	1.5
Viral Hepatitis (070)	-	-	-	-	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	2	3.4	1	1.7	-	-	7	2.5
Malignant Neoplasms (140-208)	115	195.5	97	164.1	10	132.8	405	147.2
Of Buccal Cavity & Pharynx (140-149)	1	1.7	2	3.4	2	26.6	8	2.9
Of Digestive Organs & Peritoneum (150-159)	29	49.3	21	35.5	3	39.8	110	40.0
Of Resp. & Intrathoracic Organs (160-165)	37	62.9	32	54.1	1	13.3	111	40.3
Of Breast (174-175)	6	10.2	7	11.8	1	13.3	27	9.8
Of Genital Organs (179-187)	17	28.9	13	22.0	1	13.3	38	13.8
Of Urinary Organs (188-189)	3	5.1	4	6.8	-	-	23	8.4
Leukemia (204-208)	1	1.7	7	11.8	-	-	15	5.5
Benign Neoplasms (210-229)	1	1.7	-	-	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	-	-	-	-	3	1.1
Diabetes Mellitus (250)	9	15.3	8	13.5	2	26.6	30	10.9
Anemias (280-285)	-	-	-	-	-	-	3	1.1
Alcoholic Psychoses, Alcoholism (291, 303)	3	5.1	1	1.7	-	-	3	1.1
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	1	1.7	-	-	-	-	3	1.1
Parkinson's Disease (332)	2	3.4	1	1.7	1	13.3	10	3.6
Epilepsy (345)	-	-	-	-	-	-	2	0.7
Major Cardiovascular Diseases (390-448)	291	494.7	231	390.8	32	424.9	833	302.7
Diseases of the Heart (390-398, 402, 404 - 429)	203	345.1	168	284.2	17	225.7	618	224.5
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	2	3.4	2	3.4	-	-	5	1.8
Hypertensive Heart Disease with/without Renal Disease (402, 404)	6	10.2	3	5.1	-	-	16	5.8
Ischemic Heart Disease (410-414)	164	278.8	139	235.1	17	225.7	500	181.7
Myocardial Infarction (410)	79	134.3	72	121.8	13	172.6	191	69.4
Other Acute & Subacute Ischemic Heart Disease (411)	1	1.7	-	-	-	-	1	0.4
Chronic Ischemic Heart Disease (412-414)	84	142.8	67	113.3	4	53.1	308	111.9
All Other Forms (415-429)	31	52.7	24	40.6	-	-	97	35.2
Hypertension (401, 403)	2	3.4	1	1.7	2	26.6	7	2.5
Cerebrovascular Disease (430-438)	65	110.5	47	79.5	11	146.0	153	55.6
Subarachnoid Hemorrhage (430)	-	-	3	5.1	-	-	9	3.3
Intracerebral & Intracranial Hemorrhages (431-432)	4	6.8	3	5.1	4	53.1	18	6.5
Cerebral Thrombosis & Embolism (434)	13	22.1	3	5.1	2	26.6	43	15.6
Acute but Ill-Defined Cerebrovascular Disease (436)	35	59.5	30	50.7	4	53.1	66	24.0
General Ischemic Cerebrovascular Disease (437)	13	22.1	4	6.8	1	13.3	12	4.4
Arteriosclerosis (440)	13	22.1	9	15.2	-	-	35	12.7
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	8	13.6	6	10.2	2	26.6	20	7.3
Venous Thrombosis & Embolism (451-453)	-	-	-	-	-	-	2	0.7
Pneumonia (480-486)	26	44.2	18	30.5	1	13.3	61	22.2
Influenza (487)	2	3.4	2	3.4	-	-	2	0.7
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	33	56.1	15	25.4	1	13.3	78	28.3
Peptic Ulcer (531-533)	2	3.4	-	-	-	-	2	0.7
Hernia & Intestinal Obst. (550-553.9, 560)	5	8.5	-	-	-	-	1	0.4
Cirrhosis of the Liver (571)	9	15.3	10	16.9	-	-	20	7.3
Alcoholic Cirrhosis (571.0-.3)	5	8.5	8	13.5	-	-	16	5.8
Diseases of the Gallbladder (574-576)	1	1.7	1	1.7	1	13.3	1	0.4
Diseases of the Pancreas (577)	1	1.7	1	1.7	-	-	1	0.4
Nephritis & Nephrosis (580-589)	5	8.5	1	1.7	-	-	11	4.0
Infections of the Kidney (590)	3	5.1	1	1.7	-	-	3	1.1
Diseases of Male Genital Organs (600-608)	-	-	-	-	1	13.3	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	3	5.1	4	6.8	1	13.3	18	6.5
Certain Causes of Mortality in Early Infancy (760-779)	4	6.8	3	5.1	2	26.6	18	6.5
Senility (797)	-	-	1	1.7	-	-	3	1.1
Sudden Infant Death Syndrome (798.0)	6	10.2	5	8.5	1	13.3	8	2.9
All Other Natural Causes	23	39.1	22	37.2	-	-	94	34.2
Accidents (800-949)	29	49.3	34	57.5	5	66.4	122	44.3
Motor Vehicle (810-825)	17	28.9	23	38.9	2	26.6	67	24.3
Suicide (950-959)	11	18.7	12	20.3	2	26.6	42	15.3
Homicide (960-978)	2	3.4	6	10.2	1	13.3	8	2.9
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	1	1.7	3	5.1	-	-	3	1.1

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	386	1094.6	697	778.8	223	829.1	1,781	870.1
Tuberculosis, All Forms (010-018)	-	-	1	1.1	-	-	1	0.5
Septicemia (038)	1	2.8	4	4.5	1	3.7	6	2.9
Viral Hepatitis (070)	-	-	-	-	-	-	1	0.5
Other Infective & Parasitic Diseases (Residual 001-139)	-	-	1	1.1	-	-	8	3.9
Malignant Neoplasms (140-208)	92	260.9	153	171.0	38	141.3	382	186.6
Of Buccal Cavity & Pharynx (140-149)	2	5.7	2	2.2	2	7.4	8	3.9
Of Digestive Organs & Peritoneum (150-159)	19	53.9	38	42.5	8	29.7	104	50.8
Of Resp. & Intrathoracic Organs (160-165)	30	85.1	35	39.1	8	29.7	113	55.2
Of Breast (174-175)	9	25.5	14	15.6	3	11.2	29	14.2
Of Genital Organs (179-187)	9	25.5	23	25.7	5	18.6	40	19.5
Of Urinary Organs (188-189)	-	-	5	5.6	3	11.2	15	7.3
Leukemia (204-208)	5	14.2	9	10.1	1	3.7	15	7.3
Benign Neoplasms (210-229)	1	2.8	1	1.1	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	3	8.5	-	-	2	7.4	3	1.5
Diabetes Mellitus (250)	3	8.5	6	6.7	4	14.9	32	15.6
Anemias (280-285)	-	-	1	1.1	-	-	3	1.5
Alcoholic Psychoses, Alcoholism (291, 303)	-	-	1	1.1	-	-	1	0.5
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	-	-	-	-	-	-	2	1.0
Parkinson's Disease (332)	-	-	2	2.2	3	11.2	6	2.9
Epilepsy (345)	2	5.7	2	2.2	1	3.7	2	1.0
Major Cardiovascular Diseases (390-448)	172	487.8	326	364.3	108	401.5	906	442.6
Diseases of the Heart (390-398, 402, 404 - 429)	118	334.6	242	270.4	82	304.9	681	322.7
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	2	5.7	3	3.4	1	3.7	5	2.4
Hypertensive Heart Disease with/without Renal Disease (402, 404)	4	11.3	6	6.7	2	7.4	22	10.7
Ischemic Heart Disease (410-414)	90	255.2	186	207.8	72	267.7	537	262.3
Myocardial Infarction (410)	35	99.3	74	82.7	19	70.6	232	113.3
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	-	-	-	-	3	1.5
Chronic Ischemic Heart Disease (412-414)	55	156.0	112	125.1	53	197.1	302	147.5
All Other Forms (415-429)	22	62.4	47	52.5	7	26.0	117	57.2
Hypertension (401, 403)	1	2.8	1	1.1	1	3.7	4	2.0
Cerebrovascular Disease (430-438)	34	96.4	63	70.4	16	59.5	153	74.7
Subarachnoid Hemorrhage (430)	1	2.8	3	3.4	-	-	8	3.9
Intracerebral & Intracranial Hemorrhages (431-432)	2	5.7	6	6.7	1	3.7	19	9.3
Cerebral Thrombosis & Embolism (434)	5	14.2	17	19.0	5	18.6	29	14.2
Acute but Ill-Defined Cerebrovascular Disease (436)	19	53.9	27	30.2	8	29.7	73	35.7
General Ischemic Cerebrovascular Disease (437)	6	17.0	5	5.6	1	3.7	16	7.8
Arteriosclerosis (440)	14	39.7	11	12.3	6	22.3	43	21.0
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	5	14.2	9	10.1	3	11.2	25	12.2
Venous Thrombosis & Embolism (451-453)	-	-	2	2.2	-	-	1	0.5
Pneumonia (480-486)	15	42.5	17	19.0	5	18.6	45	22.0
Influenza (487)	-	-	3	3.4	-	-	2	1.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	17	48.2	35	39.1	9	33.5	63	30.8
Peptic Ulcer (531-533)	2	5.7	1	1.1	3	11.2	2	1.0
Hernia & Intestinal Obst. (550-553.9, 560)	1	2.8	1	1.1	2	7.4	7	3.4
Cirrhosis of the Liver (571)	7	19.9	9	10.1	2	7.4	22	10.7
Alcoholic Cirrhosis (571.0-.3)	6	17.0	8	8.9	1	3.7	17	8.3
Diseases of the Gallbladder (574-576)	2	5.7	4	4.5	1	3.7	3	1.5
Diseases of the Pancreas (577)	-	-	2	2.2	-	-	3	1.5
Nephritis & Nephrosis (580-589)	3	8.5	4	4.5	1	3.7	10	4.9
Infections of the Kidney (590)	-	-	-	-	-	-	2	1.0
Diseases of Male Genital Organs (600-608)	-	-	-	-	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	1	0.5
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	1	0.5
Congenital Anomalies (740-759)	6	17.0	3	3.4	2	7.4	19	9.3
Certain Causes of Mortality in Early Infancy (760-779)	5	14.2	7	7.8	3	11.2	22	10.7
Senility (797)	-	-	1	1.1	1	3.7	-	-
Sudden Infant Death Syndrome (798.0)	-	-	6	6.7	-	-	8	3.9
All Other Natural Causes	18	51.0	41	45.8	14	52.1	84	41.0
Accidents (800-949)	22	62.4	46	51.4	17	63.2	93	45.4
Motor Vehicle (810-825)	9	25.5	31	34.6	11	40.9	57	27.8
Suicide (950-959)	10	28.4	10	11.1	3	11.2	29	14.2
Homicide (960-978)	2	5.7	6	6.7	2	7.4	8	3.9
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	2	5.7	1	1.1	1	3.7	3	1.5

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	MORROW		MULTNOMAH		POLK		SHERMAN	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	49	651.7	5,941	1055.9	382	845.1	28	1289.1
Tuberculosis, All Forms (010-018)	-	-	12	2.1	-	-	-	-
Septicemia (038)	-	-	27	4.8	1	2.2	-	-
Viral Hepatitis (070)	-	-	1	0.2	1	2.2	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	-	-	13	2.3	1	2.2	-	-
Malignant Neoplasms (140-208)	14	186.2	1,199	213.1	91	201.3	6	276.2
Of Buccal Cavity & Pharynx (140-149)	1	13.3	19	3.4	1	2.2	-	-
Of Digestive Organs & Peritoneum (150-159)	-	-	323	57.4	21	46.5	-	-
Of Resp. & Intrathoracic Organs (160-165)	6	79.8	346	61.5	28	61.9	3	138.1
Of Breast (174-175)	1	13.3	90	16.0	7	15.5	-	-
Of Genital Organs (179-187)	2	26.6	140	24.9	11	24.3	-	-
Of Urinary Organs (188-189)	-	-	51	9.1	3	6.6	-	-
Leukemia (204-208)	1	13.3	32	5.7	3	6.6	1	46.0
Benign Neoplasms (210-229)	-	-	3	0.5	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	11	2.0	1	2.2	-	-
Diabetes Mellitus (250)	1	13.3	73	13.0	6	13.3	-	-
Anemias (280-285)	-	-	2	0.4	-	-	-	-
Alcoholic Psychoses, Alcoholism (291, 303)	-	-	20	3.6	2	4.4	-	-
Drug Dependence (304)	-	-	8	1.4	-	-	-	-
Meningitis (302-322)	-	-	8	1.4	1	2.2	-	-
Parkinson's Disease (332)	-	-	26	4.6	1	2.2	-	-
Epilepsy (345)	-	-	6	1.1	1	2.2	-	-
Major Cardiovascular Diseases (390-448)	23	305.9	2,919	518.8	194	429.2	14	644.6
Diseases of the Heart (390-398, 402, 404 - 429)	18	239.4	2,143	380.9	130	287.6	11	506.4
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	-	-	34	6.0	-	-	1	46.0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	13.3	71	12.6	2	4.4	1	46.0
Ischemic Heart Disease (410-414)	11	146.3	1,684	299.3	105	232.3	9	414.4
Myocardial Infarction (410)	3	39.9	559	99.4	46	101.8	4	184.2
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	5	0.9	-	-	-	-
Chronic Ischemic Heart Disease (412-414)	8	106.4	1,120	199.1	59	130.5	5	230.2
All Other Forms (415-429)	6	79.8	354	62.9	23	50.9	-	-
Hypertension (401, 403)	-	-	11	2.0	1	2.2	-	-
Cerebrovascular Disease (430-438)	5	66.5	557	99.0	45	99.6	1	46.0
Subarachnoid Hemorrhage (430)	-	-	37	6.6	1	2.2	-	-
Intracerebral & Intracranial Hemorrhages (431-432)	-	-	73	13.0	3	6.6	-	-
Cerebral Thrombosis & Embolism (434)	-	-	108	19.2	10	22.1	-	-
Acute but Ill-Defined Cerebrovascular Disease (436)	3	39.9	241	42.8	29	64.2	1	46.0
General Ischemic Cerebrovascular Disease (437)	1	13.3	74	13.2	2	4.4	-	-
Arteriosclerosis (440)	-	-	148	26.3	14	31.0	-	-
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	-	-	60	10.7	4	8.8	2	92.1
Venous Thrombosis & Embolism (451-453)	-	-	14	2.5	-	-	-	-
Pneumonia (480-486)	-	-	152	27.0	9	19.9	1	46.0
Influenza (487)	-	-	19	3.4	2	4.4	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	2	26.6	211	37.5	12	26.5	1	46.0
Peptic Ulcer (531-533)	-	-	14	2.5	2	4.4	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	15	2.7	-	-	-	-
Cirrhosis of the Liver (571)	1	13.3	140	24.9	2	4.4	2	92.1
Alcoholic Cirrhosis (571.0-.3)	1	13.3	128	22.8	2	4.4	2	92.1
Diseases of the Gallbladder (574-576)	1	13.3	7	1.2	-	-	-	-
Diseases of the Pancreas (577)	1	13.3	6	1.1	-	-	-	-
Nephritis & Nephrosis (580-589)	-	-	31	5.5	2	4.4	-	-
Infections of the Kidney (590)	-	-	7	1.2	-	-	-	-
Diseases of Male Genital Organs (600-608)	-	-	4	0.7	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	1	0.2	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	-	-	30	5.3	1	2.2	-	-
Certain Causes of Mortality in Early Infancy (760-779)	2	26.6	58	10.3	5	11.1	-	-
Senility (797)	-	-	1	0.2	-	-	-	-
Sudden Infant Death Syndrome (798.0)	-	-	36	6.4	3	6.6	-	-
All Other Natural Causes	-	-	404	71.8	18	39.8	-	-
Accidents (800-949)	4	53.2	292	51.9	18	39.8	3	138.1
Motor Vehicle (810-825)	3	39.9	146	25.9	11	24.3	2	92.1
Suicide (950-959)	-	-	100	17.8	4	8.8	1	46.0
Homicide (960-978)	-	-	50	8.9	1	2.2	-	-
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	-	-	21	3.7	3	6.6	-	-

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	TILLAMOOK		UMATILLA		UNION		WALLOWA	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	194	916.7	492	835.9	221	923.9	84	1155.0
Tuberculosis, All Forms (010-018)	-	-	-	-	-	-	-	-
Septicemia (038)	-	-	-	-	3	12.5	-	-
Viral Hepatitis (070)	-	-	-	-	-	-	-	-
Other Infective & Parasitic Diseases (Residual 001-139)	-	-	4	6.8	-	-	1	3.7
Malignant Neoplasms (140-208)	43	203.2	90	152.9	40	167.2	13	178.8
Of Buccal Cavity & Pharynx (140-149)	-	-	-	-	-	-	-	-
Of Digestive Organs & Peritoneum (150-159)	10	47.3	27	45.9	14	58.5	4	55.0
Of Resp. & Intrathoracic Organs (160-165)	8	37.8	32	54.4	10	41.8	4	55.0
Of Breast (174-175)	5	23.6	3	5.1	2	8.4	2	27.5
Of Genital Organs (179-187)	4	18.9	11	18.7	5	20.9	-	-
Of Urinary Organs (188-189)	3	14.2	3	5.1	1	4.2	-	-
Leukemia (204-208)	2	9.5	2	3.4	2	8.4	1	13.7
Benign Neoplasms (210-229)	-	-	1	1.7	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	1	1.7	-	-	-	-
Diabetes Mellitus (250)	2	9.5	14	23.8	3	12.5	-	-
Anemias (280-285)	-	-	1	1.7	1	4.2	-	-
Alcoholic Psychoses, Alcoholism (291, 303)	-	-	1	1.7	-	-	-	-
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	-	-	1	1.7	-	-	-	-
Parkinson's Disease (332)	1	4.7	4	6.8	2	8.4	-	-
Epilepsy (345)	-	-	-	-	-	-	-	-
Major Cardiovascular Diseases (390-448)	104	491.4	231	392.5	109	455.7	47	646.2
Diseases of the Heart (390-398, 402, 404 - 429)	74	349.7	164	278.6	88	367.9	39	536.2
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	-	-	5	8.5	1	4.2	-	-
Hypertensive Heart Disease with/without Renal Disease (402, 404)	2	9.5	3	5.1	-	-	1	13.7
Ischemic Heart Disease (410-414)	61	288.2	128	217.5	73	305.2	31	426.2
Myocardial Infarction (410)	13	61.4	83	141.0	43	179.8	15	206.2
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	-	-	-	-	-	-
Chronic Ischemic Heart Disease (412-414)	48	226.8	45	76.5	30	125.4	16	220.0
All Other Forms (415-429)	11	52.0	28	47.6	14	58.5	7	96.2
Hypertension (401, 403)	1	4.7	1	1.7	2	8.4	-	-
Cerebrovascular Disease (430-438)	26	122.9	46	78.2	14	58.5	5	68.7
Subarachnoid Hemorrhage (430)	1	4.7	3	5.1	-	-	-	-
Intracerebral & Intracranial Hemorrhages (431-432)	1	4.7	5	8.5	-	-	-	-
Cerebral Thrombosis & Embolism (434)	6	28.4	12	20.4	1	4.2	1	13.7
Acute but Ill-Defined Cerebrovascular Disease (436)	14	66.2	23	39.1	10	41.8	4	55.0
General Ischemic Cerebrovascular Disease (437)	2	9.5	2	3.4	2	8.4	-	-
Arteriosclerosis (440)	1	4.7	9	15.3	3	12.5	2	27.5
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	2	9.5	11	18.7	2	8.4	1	13.7
Venous Thrombosis & Embolism (451-453)	-	-	-	-	-	-	-	-
Pneumonia (480-486)	6	28.4	12	20.4	9	37.6	7	96.2
Influenza (487)	-	-	1	1.7	2	8.4	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	6	28.4	20	34.0	9	37.6	2	27.5
Peptic Ulcer (531-533)	1	4.7	2	3.4	-	-	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	2	3.4	1	4.2	-	-
Cirrhosis of the Liver (571)	3	14.2	5	8.5	2	8.4	1	13.7
Alcoholic Cirrhosis (571.0-.3)	2	9.5	5	8.5	2	8.4	1	13.7
Diseases of the Gallbladder (574-576)	-	-	-	-	-	-	-	-
Diseases of the Pancreas (577)	-	-	3	5.1	-	-	-	-
Nephritis & Nephrosis (580-589)	2	9.5	3	5.1	1	4.2	1	13.7
Infections of the Kidney (590)	-	-	4	6.8	-	-	-	-
Diseases of Male Genital Organs (600-608)	-	-	-	-	1	4.2	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	1	1.7	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	1	4.7	2	3.4	1	4.2	-	-
Certain Causes of Mortality in Early Infancy (760-779)	1	4.7	8	13.6	3	12.5	-	-
Senility (797)	-	-	1	1.7	-	-	-	-
Sudden Infant Death Syndrome (798.0)	-	-	6	10.2	-	-	-	-
All Other Natural Causes	12	56.7	26	44.2	13	54.3	3	41.2
Accidents (800-949)	9	42.5	38	64.6	20	83.6	9	123.7
Motor Vehicle (810-825)	6	28.4	15	25.5	8	33.4	6	82.5
Suicide (950-959)	2	9.5	6	10.2	1	4.2	-	-
Homicide (960-978)	1	4.7	2	3.4	-	-	-	-
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	-	-	2	3.4	-	-	-	-

Death rates per 100,000 population

TABLE 46. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1980

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELER		YAMHILL	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL DEATHS, ALL CAUSES	194	892.7	1,358	553.4	20	1321.9	454	820.5
Tuberculosis, All Forms (010-018)	-	-	-	-	-	-	1	1.8
Septicemia (038)	1	4.6	4	1.6	-	-	1	1.8
Viral Hepatitis (070)	1	4.6	-	-	-	-	1	1.8
Other Infective & Parasitic Diseases (Residual 001-139)	-	-	5	2.0	-	-	1	1.8
Malignant Neoplasms (140-208)	45	207.1	302	123.1	1	66.1	111	200.6
Of Buccal Cavity & Pharynx (140-149)	1	4.6	6	2.4	-	-	1	1.8
Of Digestive Organs & Peritoneum (150-159)	12	55.2	82	33.4	-	-	35	63.3
Of Resp. & Intrathoracic Organs (160-165)	13	59.8	79	32.2	1	66.1	29	52.4
Of Breast (174-175)	10	46.0	27	11.0	-	-	7	12.7
Of Genital Organs (179-187)	1	4.6	32	13.0	-	-	15	27.1
Of Urinary Organs (188-189)	1	4.6	9	3.7	-	-	5	9.0
Leukemia (204-208)	1	4.6	12	4.9	-	-	9	16.3
Benign Neoplasms (210-229)	-	-	-	-	-	-	-	-
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	-	-	3	1.2	-	-	3	5.4
Diabetes Mellitus (250)	3	13.8	14	5.7	-	-	9	16.3
Anemias (280-285)	-	-	3	1.2	-	-	-	-
Alcoholic Psychoses, Alcoholism (291, 303)	1	4.6	3	1.2	-	-	-	-
Drug Dependence (304)	-	-	-	-	-	-	-	-
Meningitis (302-322)	-	-	1	0.4	-	-	-	-
Parkinson's Disease (332)	-	-	4	1.6	-	-	-	-
Epilepsy (345)	-	-	1	0.4	-	-	-	-
Major Cardiovascular Diseases (390-448)	99	455.6	638	260.0	10	660.9	203	366.9
Diseases of the Heart (390-398, 402, 404 - 429)	76	349.7	484	197.2	8	528.8	134	242.2
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	2	9.2	4	1.6	-	-	2	3.6
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	4.6	12	4.9	-	-	3	5.4
Ischemic Heart Disease (410-414)	65	299.1	394	160.6	7	462.7	118	213.3
Myocardial Infarction (410)	23	105.8	140	57.0	4	264.4	51	92.2
Other Acute & Subacute Ischemic Heart Disease (411)	-	-	-	-	-	-	-	-
Chronic Ischemic Heart Disease (412-414)	42	193.3	254	103.5	3	198.3	67	121.1
All Other Forms (415-429)	8	36.8	74	30.2	1	66.1	11	19.9
Hypertension (401, 403)	-	-	6	2.4	-	-	-	-
Cerebrovascular Disease (430-438)	18	82.8	116	47.3	2	132.2	52	94.0
Subarachnoid Hemorrhage (430)	1	4.6	7	2.9	-	-	3	5.4
Intracerebral & Intracranial Hemorrhages (431-432)	3	13.8	12	4.9	-	-	1	1.8
Cerebral Thrombosis & Embolism (434)	2	9.2	22	9.0	1	66.1	3	5.4
Acute but Ill-Defined Cerebrovascular Disease (436)	10	46.0	55	22.4	-	-	28	50.6
General Ischemic Cerebrovascular Disease (437)	1	4.6	14	5.7	-	-	14	25.3
Arteriosclerosis (440)	3	13.8	12	4.9	-	-	14	25.3
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	2	9.2	20	8.2	-	-	3	5.4
Venous Thrombosis & Embolism (451-453)	1	4.6	4	1.6	-	-	1	1.8
Pneumonia (480-486)	5	23.0	37	15.1	-	-	12	21.7
Influenza (487)	-	-	4	1.6	-	-	-	-
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	6	27.6	43	17.5	2	132.2	20	36.1
Peptic Ulcer (531-533)	2	9.2	4	1.6	-	-	-	-
Hernia & Intestinal Obst. (550-553.9, 560)	-	-	4	1.6	1	66.1	1	1.8
Cirrhosis of the Liver (571)	2	9.2	17	6.9	-	-	5	9.0
Alcoholic Cirrhosis (571.0-.3)	1	4.6	13	5.3	-	-	4	7.2
Diseases of the Gallbladder (574-576)	-	-	1	0.4	1	66.1	1	1.8
Diseases of the Pancreas (577)	-	-	1	0.4	-	-	1	1.8
Nephritis & Nephrosis (580-589)	1	4.6	10	4.1	-	-	5	9.0
Infections of the Kidney (590)	-	-	1	0.4	-	-	-	-
Diseases of Male Genital Organs (600-608)	1	4.6	-	-	-	-	-	-
Diseases of Uterus and Other Female Genital Organs (641-629)	-	-	-	-	-	-	-	-
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	-	-	-	-	-	-	-	-
Congenital Anomalies (740-759)	5	23.0	15	6.1	-	-	1	1.8
Certain Causes of Mortality in Early Infancy (760-779)	-	-	14	5.7	-	-	4	7.2
Senility (797)	-	-	-	-	-	-	1	1.8
Sudden Infant Death Syndrome (798.0)	1	4.6	11	4.5	-	-	2	3.6
All Other Natural Causes	7	32.2	90	36.7	3	198.3	26	47.0
Accidents (800-949)	11	50.6	90	36.7	2	132.2	34	61.4
Motor Vehicle (810-825)	5	23.0	42	17.1	1	66.1	18	32.5
Suicide (950-959)	-	-	25	10.2	-	-	7	12.7
Homicide (960-978)	2	9.2	8	3.3	-	-	2	3.6
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	-	-	1	0.4	-	-	1	1.8

Death rates per 100,000 population

MARRIAGE & DIVORCE

USING MARRIAGE AND DIVORCE DATA

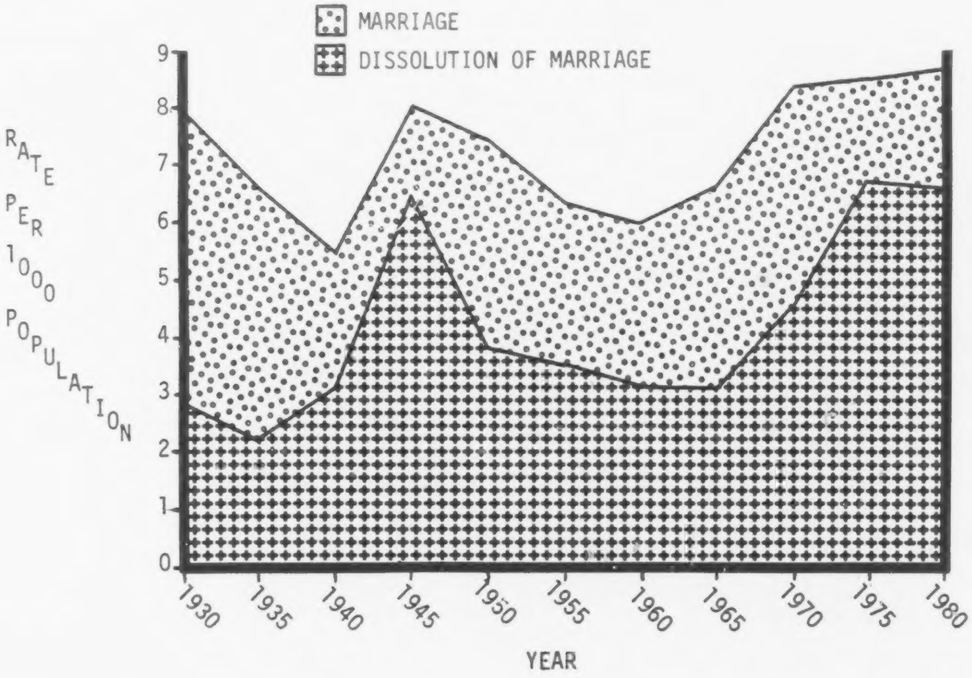
OCCURRENCE ONLY

No cooperative agreement among states exists for exchanging marriage and divorce certificates for resident statistics. Therefore, the data presented here refer only to the events which occurred within the state's borders. For dissolutions this does not present a problem since most couples obtain a divorce or an annulment in the state in which at least one of the parties resides. But for marriages the problem is more serious. Oregon has traditionally had stricter requirements (financial and medical) than neighboring states, so many of the marriages which normally would occur here are counted in Washington, California, Idaho and Nevada.

MARRIAGE AND DIVORCE RATES

Calculating meaningful marriage and divorce rates is complicated. Theoretically, the marriage rate should be the number of marriages compared to the number of single people in our population. The divorce rate should compare the number of these events to the population of married people. But unfortunately these population figures are not usually available. As a substitute the marriage and divorce rates are calculated as the number of events per 1,000 total population. The age specific marriage rates compare the number of marriages for brides or grooms in each age category to the population for that sex-age group. Limiting this last rate to first marriages provides the best indicator of changing marriage patterns.

FIGURE 28. MARRIAGE AND DISSOLUTION OF MARRIAGE RATES, OREGON, 1930-1980



MARRIAGE AND DIVORCE - 1980

MARRIAGES

A record number 23,004 couples were married in Oregon in 1980. The marriage rate fluctuated between 8.2 and 8.8 per 1,000 population during the decade. Not only do the rates for the 1970's represent an increase over the two preceding ten-year periods, but the marriage rate has increased slightly since 1976. However, unlike births and deaths, which are one-time-only events, marriages can occur more than once for each individual. To understand the changes in marriage patterns a separate look at first marriages is necessary.

FIRST MARRIAGES

The first marriage rate for men between the ages of 15 and 20 decreased by 40% between 1970 and 1980. But the marriage rate for older men registered an opposite trend. The rate for men between the ages of 25 and 29 increased by 20% and for men between 30 and 34 increased by 65%. The changes in the first marriage rates for women are similar. The rate for teenaged women decreased by 30%, and the rate for women in their early twenties decreased by 24%. At the same time the rates for women in their late twenties and early thirties doubled. The smaller rates for 15 to 24 year olds and the higher rates for the 25 to 35 year olds suggests that people are delaying marriage. This delay, combined with an older population has increased the median age at first marriage from 22.4 to 23.3 for grooms and from 20.1 to 21.4 for brides. The changes in the rates also suggest that an increasing number of people are remaining single. (Figure 29)

REMARRIAGES

If more people are delaying marriage and others are remaining single, why did the overall marriage rate increase? Part of the answer is that a large proportion of the population is now at the peak marriage age. But another part of the answer is that many of the marriages counted in the marriage rate are remarriages. In 1970, 68% of the marriages were first marriages for both the bride and groom. In 1980 only 53% were first marriages. The median age of grooms who remarried in 1980 was 35.1. For brides the median age was 32.0. (Figure 30).

DIVORCES

The 17,762 divorces and annulments in 1980 also set a new record. But the divorce rate, which increased during the first half of the 1970's, remained stable after 1975 at about 6.8 per 1,000 population. In 1970 there were 1.8 marriages for every divorce. In 1980 the ratio was 1.3 to one. Although the proportion of marriages which are second or more marriages has increased, no such change has occurred in the proportion of divorces which are repeat divorces. In 1980 two-thirds of the divorces were terminating first marriages.

DURATION OF MARRIAGE BEFORE DIVORCE

A slight change is noticable in the duration of the marriages which were being terminated in 1980. Ten years earlier the median duration of the marriage prior to the dissolution was 5.7 years. In 1980 the figure increased to 6.1. And the increased duration for first divorces was greater than for subsequent divorces. In 1970 the duration was 6.3 years for first-time wives and 6.5 for first-time husbands. In 1980 the median duration was 7.2 for both.

PROPORTION OF MARRIAGES ENDING IN DIVORCE

The question everyone would like to have answered is, "What is the likelihood that a marriage will end in divorce?" Unfortunately this is a difficult question which can only be answered by following the marriage and divorce experience of cohorts (all the people who were married during a given time period). Recently compiled statistics from the National Center for Health Statistics found that a fourth of the marriages contracted in 1950 had ended in divorce before the 25th anniversary. But a fourth of the marriages contracted in 1965 had ended in divorce by the tenth anniversary. 1/ Although projections are offered with caution, the Census Bureau has predicted that 38% of the women born in 1945-1949, and who marry will end their marriages with a divorce, and 44% of those who remarry will end the second marriage in divorce. 2/ Only time will reveal the fate of the 1980 marriages. But it is evident that "Till death do us part" is not always a realistic expectation.

CHILDREN AFFECTED BY DIVORCE

The decline in the fertility rate has resulted in fewer children under the age of 18 being affected by divorce. Until 1975 the number of decrees was exceeded by the number of affected children, but both figures increased at a steady rate. After 1975, however, decrees continued to increase but the number of children remained the same or declined. In 1980, 15,356 minor children were affected by a divorce. (Figure 31)

1/ National Center for Health Statistics, Vital and Health Statistics, Series 21, No. 34 "Divorces by Marriage Cohort." DHEW Publication No. (PHS)79-1912, Hyattsville, MD, August, 1979.

2/ U.S. Bureau of the Census, Current Population Reports, Series P-20, No. 297 "Number, Timing, and Duration of Marriages and Divorces in the United States: June 1975." U.S. Government Printing Office, Washington, D.C., 1976.

FIGURE 29. FIRST MARRIAGE RATES FOR SELECTED AGE-GROUPS, OREGON, 1970 & 1980

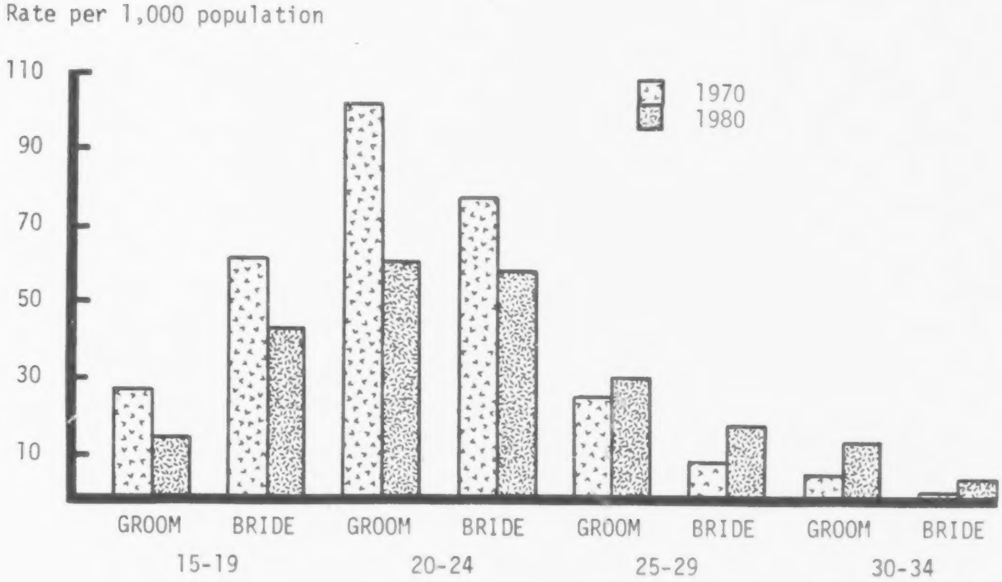


FIGURE 30. PROPORTION OF FIRST MARRIAGES AND REMARRIAGES, OREGON, 1970 & 1980

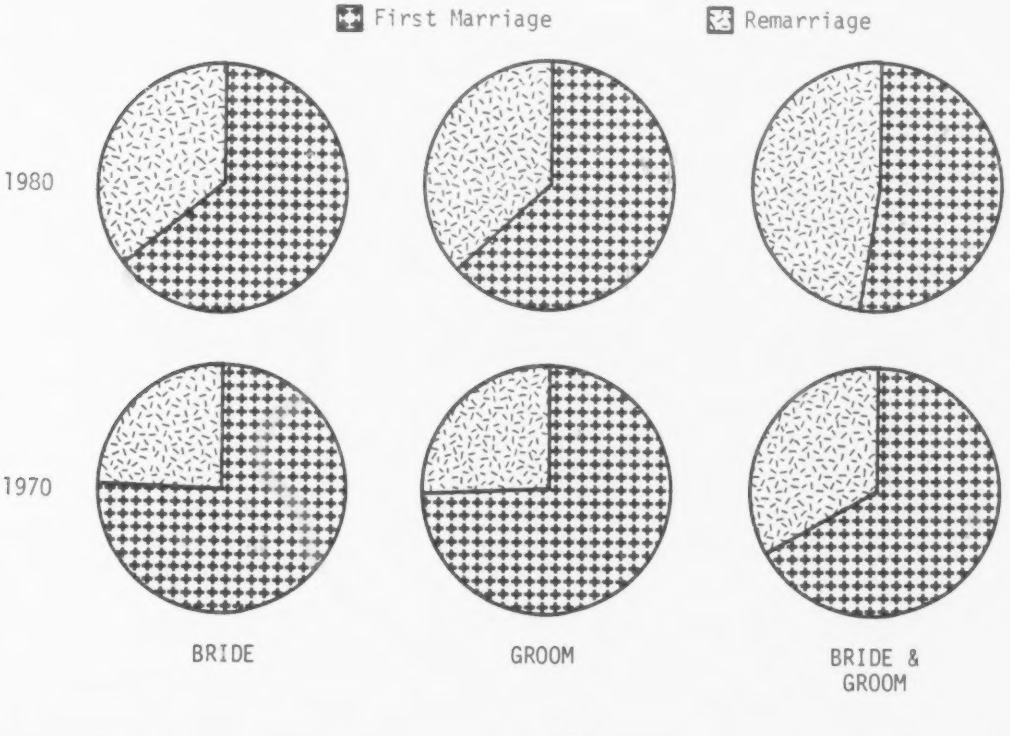


TABLE 47. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF GROOM, OREGON, 1980

AGE OF GROOM	ALL MARRIAGES	FIRST MARRIAGE FOR GROOM	REMARRIAGE FOR GROOM			PREVIOUS STATUS UNKNOWN
			Total	Divorced	Widowed	
ALL AGES	23,004	14,555	8,398	7,614	784	51
15-19	1,782	1,766	3	3	-	13
20-24	7,908	7,413	478	470	8	17
25-29	5,722	3,919	1,793	1,774	19	10
30-34	2,981	1,081	1,895	1,872	23	5
35-39	1,653	208	1,444	1,412	32	1
40-44	978	81	895	868	27	2
45-49	543	23	520	486	34	-
50-54	404	21	383	324	59	-
55-59	298	13	284	200	84	1
60-64	249	13	236	122	114	-
65-66	196	4	191	52	139	1
70-74	152	7	144	19	125	1
75 +	132	4	128	11	117	-
Not Stated	6	2	4	1	3	-
Median Age	26.6	23.7	35.1	34.2	64.7	23.8

TABLE 48. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF BRIDE, OREGON, 1980

AGE OF BRIDE	ALL MARRIAGES	FIRST MARRIAGE FOR BRIDE	REMARRIAGE FOR BRIDE			PREVIOUS STATUS UNKNOWN
			Total	Divorced	Widowed	
ALL AGES	23,004	14,855	8,097	7,234	863	52
15-19	4,935	4,837	84	81	3	14
20-24	8,230	7,053	1,149	1,126	23	28
25-29	4,449	2,345	2,097	2,046	51	7
30-34	2,321	486	1,835	1,789	46	-
35-39	1,123	86	1,037	984	53	-
40-44	632	20	612	550	62	-
45-49	366	5	361	289	72	-
50-54	234	11	223	165	58	-
55-59	217	5	212	111	101	-
60-64	170	3	166	51	115	1
65-69	171	2	169	26	143	-
70-74	90	-	88	10	78	2
75 +	59	1	58	4	54	-
Not Stated	7	1	6	2	4	-
Median Age	24.0	21.8	32.0	31.0	58.2	22.1

TABLE 49. ALL MARRIAGES AND FIRST MARRIAGES FOR BOTH BRIDE AND GROOM BY AGE GROUPS AND MEDIAN AGE OF SPOUSE, OREGON, 1980

ALL AGES	ALL MARRIAGES				FIRST MARRIAGE FOR BRIDE & GROOM			
	Number of Grooms	Median Age of Bride	Number of Brides	Median Age of Groom	Number of Grooms	Median Age of Bride	Number of Brides	Median Age of Groom
TOTAL	23,004	24.0	23,004	26.6	12,159	21.4	12,159	23.3
15-19	1,782	18.1	4,935	21.8	1,714	18.0	4,460	21.5
20-24	7,908	21.3	8,230	24.4	6,664	20.9	5,844	23.6
25-29	5,722	24.5	4,449	29.0	2,951	23.6	1,558	27.6
30-34	2,981	27.9	2,321	33.5	663	26.2	243	30.8
35-39	1,653	31.3	1.123	39.3	110	27.1	41	34.5
40-44	978	35.5	632	43.8	35	28.4	7	---
45-49	543	39.4	366	50.4	9	---	1	---
50-54	404	44.7	234	56.2	4	---	4	---
55-59	298	49.5	217	60.4	4	---	-	---
60-64	249	56.7	170	66.3	2	---	-	---
65-69	196	61.5	171	70.0	-	---	-	---
70-74	152	66.1	90	73.1	1	---	-	---
75 +	132	71.5	59	75+	-	---	-	---
Not Stated	6	---	7	---	2	---	1	---

TABLE 50. MARRIAGES AND DISSOLUTION OF MARRIAGES (INCLUDING ANNULMENTS) BY MONTH OF OCCURRENCE, OREGON, 1980

MONTH OF OCCURRENCE	MARRIAGES		DISSOLUTION OF MARRIAGES AND ANNULMENTS	
	Number	Rate	Number	Rate
TOTAL	23,004	8.7	17,762	6.7
January	1,007	4.5	1,538	6.9
February	1,411	6.8	1,457	7.0
March	1,727	7.7	1,545	6.9
April	1,459	6.8	1,409	6.5
May	2,006	9.0	1,472	6.6
June	2,943	13.6	1,537	7.1
July	2,015	9.0	1,493	6.7
August	3,012	13.5	1,353	6.1
September	2,190	10.1	1,460	6.8
October	1,579	7.1	1,583	7.1
November	1,715	7.9	1,346	6.2
December	1,940	8.7	1,569	7.0

Rates per 1,000 population. Monthly rates are annual projections based on that month's occurrence.

TABLE 51. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND DURATION OF MARRIAGE, OREGON, 1980

AGE AT DIVORCE	TOTAL	DURATION OF MARRIAGE					
		Under 1 Year	1 - 4 Years	5 - 9 Years	10 - 19 Years	20 + Years	Not Stated
				HUSBAND			
TOTAL	17,762	748	6,677	5,036	3,632	1,575	94
15 - 19	128	28	100	-	-	-	-
20 - 24	2,249	125	1,799	311	1	-	13
25 - 29	3,976	128	1,852	1,829	148		19
30 - 34	3,916	104	1,168	1,483	1,136	-	25
35 - 39	2,639	96	643	610	1,212	69	9
40 - 44	1,726	80	388	258	580	414	6
45 - 49	1,127	47	245	199	211	419	6
50 - 54	732	44	178	112	134	259	5
55 - 59	509	24	113	90	79	200	3
60 - 64	288	31	57	56	52	91	1
65 +	336	33	88	43	55	111	6
Not Stated	136	8	46	45	24	12	1
				WIFE			
TOTAL	17,762	748	6,677	5,036	3,632	1,575	94
15 - 19	589	70	514	4	-	-	1
20 - 24	3,619	167	2,545	883	4	-	20
25 - 29	4,339	133	1,549	2,176	449	-	32
30 - 34	3,423	104	838	1,009	1,458	5	9
35 - 39	2,303	100	484	432	1,062	220	5
40 - 44	1,339	56	259	199	327	489	9
45 - 49	759	25	140	112	115	359	8
50 - 54	489	24	114	79	68	203	1
55 - 59	358	18	97	45	54	143	1
60 - 64	185	15	39	26	30	73	2
65 +	199	22	41	30	37	67	2
Not Stated	160	14	57	41	28	16	4

TABLE 52. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND ORDER OF MARRIAGE, OREGON, 1980

AGE AT DIVORCE	TOTAL	ORDER OF MARRIAGE				
		First	Second	Third	Fourth or more	Not Stated
			HUSBAND			
TOTAL	17,762	10,524	3,661	1,146	432	1,999
15-19 years	128	120	2	-	-	6
20-24 years	2,249	1,977	91	3	-	178
25-29 years	3,976	3,034	514	60	11	357
30-34 years	3,916	2,357	917	187	42	413
35-39 years	2,639	1,307	754	202	75	301
40-44 years	1,726	753	445	211	76	241
45-49 years	1,127	432	322	162	55	156
50-54 years	732	219	219	113	65	116
55-59 years	509	160	152	88	41	68
60-64 years	288	63	100	53	28	44
65-69 years	185	37	64	36	18	30
70-74 years	88	13	31	16	11	17
75 + years	63	7	27	11	5	13
Not Stated	136	45	23	4	5	59
Median Age	33.1	30.2	37.0	42.8	45.9	35.3
			WIFE			
TOTAL	17,762	10,987	4,168	1,284	427	896
15-19 years	589	555	8	-	-	26
20-24 years	3,619	3,090	326	25	5	173
25-29 years	4,339	3,114	878	141	17	189
30-34 years	3,423	1,889	1,015	306	65	148
35-39 years	2,303	1,052	757	276	93	125
40-44 years	1,339	579	445	165	75	75
45-49 years	759	303	244	117	43	52
50-54 years	489	162	171	91	46	19
55-59 years	358	103	123	79	37	16
60-64 years	185	45	76	27	24	13
65-69 years	126	27	52	28	11	8
70-74 years	38	3	16	10	6	3
75 + years	35	5	15	12	2	1
Not Stated	160	60	42	7	3	48
Median Age	30.4	27.9	34.2	38.0	42.1	31.2

TABLE 53. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY DURATION OF MARRIAGE AND ORDER OF MARRIAGE FOR HUSBAND AND WIFE, OREGON, 1980

DURATION OF MARRIAGE	TOTAL	ORDER OF MARRIAGE				
		First	Second	Third	Fourth or more	Not Stated
			HUSBAND			
TOTAL	17,762	10,524	3,661	1,146	432	1,999
Under 1 year	748	225	242	117	57	107
1 year	1,599	726	433	182	91	167
2 years	1,848	909	488	160	82	209
3 years	1,742	930	417	143	43	209
4 years	1,488	873	326	96	27	166
5 years	1,309	791	278	70	23	147
6 years	1,071	643	254	55	22	97
7 years	1,045	644	185	66	24	126
8 years	870	552	169	44	13	92
9 years	741	493	143	33	6	66
10-14 years	2,371	1,626	366	100	24	255
15-19 years	1,261	891	175	37	12	146
20-24 years	797	579	84	22	5	107
25-29 years	392	294	49	8	1	40
30+ years	386	304	34	7	-	41
Not Stated	94	44	18	6	2	24
			WIFE			
TOTAL	17,762	10,986	4,169	1,284	427	896
Under 1 year	748	224	291	137	59	37
1 year	1,599	751	491	185	95	77
2 years	1,848	960	521	203	72	92
3 years	1,742	995	450	163	53	81
4 years	1,488	918	361	108	34	67
5 years	1,309	820	324	75	28	62
6 years	1,071	682	265	64	19	41
7 years	1,045	676	232	63	13	61
8 years	870	571	201	50	10	38
9 years	741	506	154	45	6	30
10-14 years	2,371	1,662	455	114	21	119
15-19 years	1,261	930	203	39	9	80
20-24 years	797	612	111	15	5	54
25-29 years	392	313	55	8	1	15
30+ years	386	316	42	5	1	22
Not Stated	94	50	13	10	1	20

TABLE 54. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY NUMBER OF MINOR CHILDREN (UNDER 18 YEARS) AFFECTED, OREGON, 1980

NUMBER OF CHILDREN REPORTED OF THIS MARRIAGE ONLY	DISSOLUTIONS OF MARRIAGE AND ANNULMENTS	
	Number	Percent
TOTAL	17,762	100.0
No. Children	6,992	39.4
1 Child	4,239	23.9
2 Children	3,401	19.2
3 Children	1,005	5.7
4 Children	238	1.3
5 Children	42	0.2
6 Children	15	0.1
7 or More Children	6	0.0
Not Reported	1,824	10.3
Total Number of Reported Minor Children Affected	15,356	

FIGURE 31. NUMBER OF DISSOLUTION OF MARRIAGE DECREES AND NUMBER OF MINOR CHILDREN AFFECTED, OREGON, 1950-1980

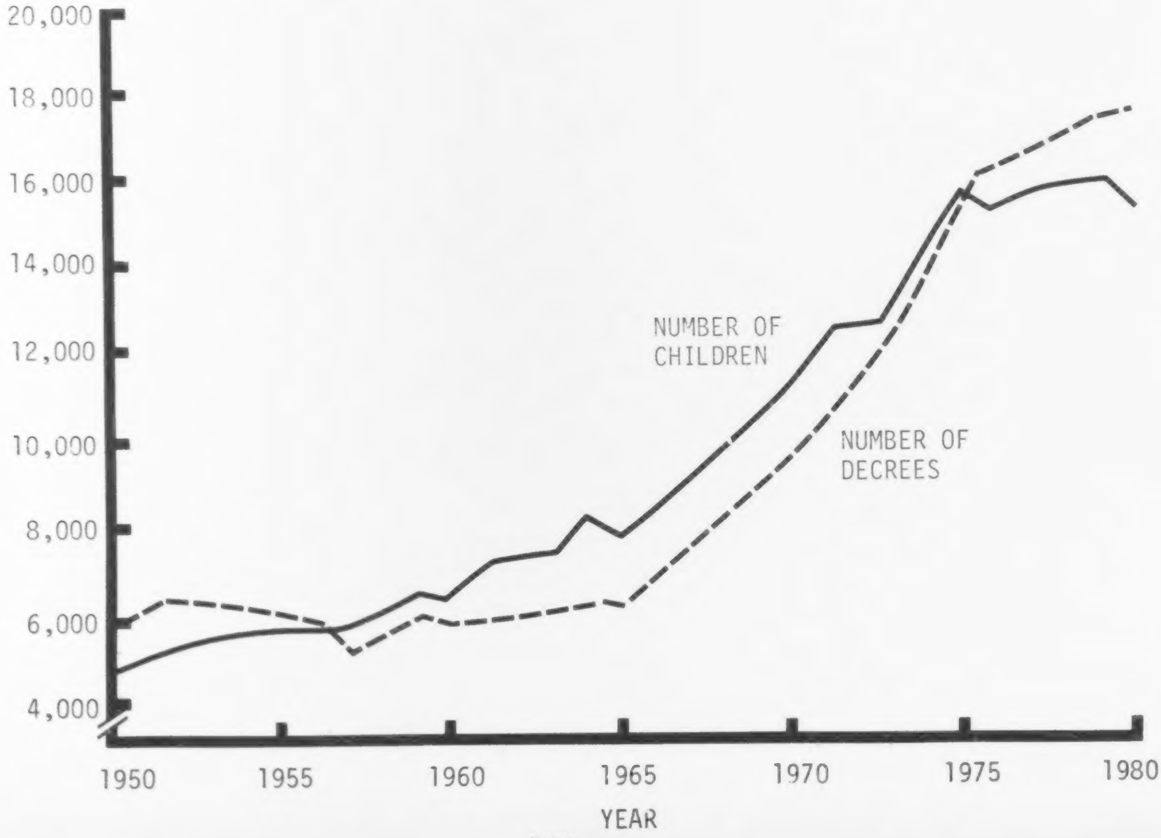


TABLE 55. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY STATE OR REGION WHERE MARRIAGE OCCURRED BY DURATION OF MARRIAGE, OREGON, 1980

STATE OR REGION OF MARRIAGE	TOTAL	DURATION OF MARRIAGE				
		Under 1 Year	1 - 4 Years	5 - 9 Years	10 Years & Over	Not Stated
TOTAL	17,762	748	6,677	5,036	5,207	94
New England	77	-	23	22	31	1
Middle Atlantic	188	2	32	63	91	-
East North Central	329	3	62	118	146	-
West North Central	310	3	62	78	163	4
South Atlantic	236	2	61	89	83	1
East South Central	81	1	20	22	38	-
West South Central	252	1	71	70	106	4
Mountain:						
Montana	69	-	16	19	33	1
Idaho	412	12	134	89	177	-
Wyoming	26	1	10	6	9	-
Colorado	107	-	24	37	46	-
New Mexico	31	-	10	7	14	-
Arizona	123	2	39	31	50	1
Utah	69	5	27	20	17	-
Nevada	2,750	195	1,254	679	610	12
Pacific:						
Washington	2,435	122	886	651	766	10
OREGON	8,335	381	3,483	2,432	2,024	15
California	1,408	13	318	460	611	6
Alaska	60	-	26	19	15	-
Hawaii	73	-	30	24	19	-
Virgin Islands	1	-	-	1	-	-
Foreign Country	299	3	69	86	141	-
Not Stated	91	2	20	13	17	39

TABLE 56. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF BRIDE, OREGON, 1980

COUNTY OF OCCURRENCE	ALL AGES	AGE OF BRIDE											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	23,004	4,935	8,230	4,449	2,321	1,123	632	366	234	217	170	320	7
Baker	120	36	41	19	9	5	3	3	-	2	1	1	-
Benton	548	83	218	133	56	24	15	9	1	5	1	3	-
Clackamas	1,762	370	653	328	160	105	57	25	16	15	10	23	-
Clatsop	355	82	114	73	36	16	11	4	3	8	3	5	-
Columbia	237	64	75	40	21	9	10	6	-	1	3	8	-
Coos	632	150	215	114	55	36	16	14	12	7	3	10	-
Crook	173	51	68	26	12	3	4	2	1	3	3	-	-
Curry	132	28	44	26	17	7	5	1	1	1	1	1	-
Deschutes	547	129	191	102	48	26	18	14	4	5	6	4	-
Douglas	916	290	268	144	87	41	31	18	11	9	4	13	-
Gilliam	17	7	7	-	1	1	1	-	-	-	-	-	-
Grant	74	23	26	8	6	6	-	-	2	1	-	2	-
Harney	84	36	27	7	7	4	1	2	-	-	-	-	-
Hood River	135	46	42	20	10	3	2	6	1	4	-	1	-
Jackson	1,198	250	417	230	123	71	35	23	13	6	11	17	2
Jefferson	120	30	35	27	13	6	2	2	-	4	-	1	-
Josephine	482	133	141	88	43	20	18	10	9	5	8	7	-
Klamath	492	140	181	62	47	17	18	9	7	4	1	5	1
Lake	54	13	18	8	8	1	3	-	-	1	1	1	-
Lane	2,612	545	882	554	283	123	66	46	36	18	20	39	-
Lincoln	413	83	128	86	43	19	9	12	6	5	12	10	-
Linn	827	217	309	127	76	32	17	14	3	10	5	15	2
Malheur	211	70	70	31	17	12	1	5	1	-	1	3	-
Marion	1,881	424	712	317	174	88	54	21	15	25	18	33	-
Morrow	83	24	34	14	5	2	1	-	-	2	1		-
Multnomah	5,083	703	1,931	1,199	587	251	137	71	55	43	35	70	1
Polk	295	78	102	47	30	13	8	4	2	4	3	4	-
Sherman	13	3	7	3	-	-	-	-	-	-	-	-	-
Tillamook	226	65	75	38	18	16	1	3	-	1	1	8	-
Umatilla	505	141	175	82	45	27	9	5	4	2	2	12	1
Union	209	51	80	25	20	14	6	5	1	4	2	1	-
Wallowa	78	20	21	13	14	2	4	-	-	3	1	-	-
Wasco	236	55	81	46	22	16	6	1	4	2	1	2	-
Washington	1,744	349	652	331	187	90	52	27	23	11	10	12	-
Wheeler	11	4	1	1	1	1	-	-	-	1	1	1	-
Yamhill	499	142	189	80	40	16	11	4	3	5	1	8	-

TABLE 57. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF GROOM, OREGON, 1980

COUNTY OF OCCURRENCE	ALL AGES	AGE OF GROOM											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	23,004	1,782	7,908	5,722	2,981	1,653	978	543	404	298	249	480	6
Baker	120	16	48	23	12	9	3	1	4	2	-	2	-
Benton	548	33	195	177	63	31	22	8	7	4	3	5	-
Clackamas	1,762	133	633	433	217	122	77	48	27	22	13	37	-
Clatsop	355	25	127	82	42	28	13	8	6	7	5	12	-
Columbia	237	17	81	57	32	11	10	3	8	4	4	10	-
Coos	632	59	221	128	85	41	37	12	13	8	12	15	1
Crook	173	22	67	43	16	7	5	3	2	2	4	2	-
Curry	132	11	46	31	11	15	8	5	1	1	1	2	-
Deschutes	547	54	184	141	64	43	18	13	8	10	3	9	-
Douglas	916	114	342	186	87	64	43	25	17	13	8	17	-
Gilliam	17	1	10	5	-	-	-	1	-	-	-	-	-
Grant	74	11	30	12	5	8	3	1	-	1	-	3	-
Harney	84	12	38	17	6	4	3	2	1	1	-	-	-
Hood River	135	16	50	32	11	8	6	5	1	-	2	4	-
Jackson	1,198	100	367	290	170	103	63	26	24	19	13	23	-
Jefferson	120	14	34	31	18	4	10	1	3	-	1	4	-
Josephine	482	49	160	102	55	45	20	14	7	7	7	16	-
Klamath	492	60	175	106	54	32	23	14	7	7	4	10	-
Lake	54	5	19	9	7	7	2	2	-	-	2	1	-
Lane	2,612	195	858	651	394	185	96	58	46	40	31	58	-
Lincoln	413	31	108	102	65	21	21	15	14	7	9	20	-
Linn	827	78	324	191	74	59	30	17	11	9	9	23	2
Malheur	211	28	87	45	22	9	6	4	6	1	2	1	-
Marion	1,881	160	706	439	210	106	81	42	39	30	17	51	-
Morrow	83	5	39	15	15	4	-	-	1	1	2	1	-
Multnomah	5,083	212	1,589	1,432	798	409	206	140	88	62	55	91	1
Polk	295	32	104	68	31	19	18	8	3	2	5	5	-
Sherman	13	1	4	6	2	-	-	-	-	-	-	-	-
Tillamook	226	19	89	46	30	12	6	4	3	4	5	8	-
Umatilla	505	45	190	117	62	32	22	9	7	3	4	13	1
Union	209	23	74	46	25	14	9	5	7	1	2	3	-
Wallowa	78	4	25	22	9	8	2	1	-	3	2	2	-
Wasco	236	18	79	52	34	27	12	1	4	2	4	3	-
Washington	1,744	127	591	463	214	138	86	39	33	18	17	18	-
Wheeler	11	3	1	1	-	2	1	-	-	1	-	2	-
Yamhill	499	49	213	121	41	26	16	8	6	6	3	9	1

TABLE 58. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF WIFE, OREGON, 1980

COUNTY OF OCCURRENCE	ALL AGES	AGE OF WIFE											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	17,762	589	3,619	4,339	3,423	2,303	1,339	759	489	358	185	199	160
Baker	96	1	19	19	15	18	13	4	2	2	-	2	1
Benton	354	8	72	100	59	46	33	15	9	6	2	1	3
Clackamas	1,164	34	177	292	269	173	89	55	30	23	7	6	9
Clatsop	198	7	52	38	31	32	16	7	3	8	-	2	2
Columbia	235	16	51	47	39	33	21	9	9	5	3	1	1
Coos	452	15	95	113	69	62	39	18	8	13	7	10	3
Crook	82	7	18	21	12	6	3	7	4	2	-	-	2
Curry	113	6	19	28	16	25	4	4	3	3	3	2	-
Deschutes	433	15	85	97	89	65	40	18	8	4	5	4	3
Douglas	657	33	153	133	129	71	54	27	16	21	2	9	9
Gilliam	4	-	2	-	2	-	-	-	-	-	-	-	-
Grant	86	-	19	20	14	10	10	4	-	4	2	3	-
Harney	43	4	11	8	11	3	3	1	-	1	1	-	-
Hood River	104	4	18	20	25	12	9	3	4	2	1	2	4
Jackson	1,044	41	200	224	205	134	89	49	33	22	19	16	12
Jefferson	76	3	21	10	16	9	6	3	4	1	2	-	1
Josephine	469	23	85	95	99	58	37	27	13	12	6	10	4
Klamath	501	30	130	112	79	56	38	22	8	11	4	3	8
Lake	37	1	9	7	9	3	4	2	-	1	-	1	-
Lane	2,152	62	459	558	428	253	156	83	59	39	19	21	15
Lincoln	186	5	35	46	35	18	19	8	3	7	3	4	3
Linn	628	19	120	155	123	84	52	29	17	14	7	7	1
Malheur	129	3	30	31	24	12	10	6	6	2	1	4	-
Marion	1,188	40	258	281	225	165	88	42	37	23	8	13	8
Morrow	33	-	5	7	4	5	4	3	1	2	1	1	-
Multnomah	4,654	137	925	1,250	873	597	302	196	141	88	54	40	51
Polk	285	4	66	58	49	41	23	16	7	5	2	11	3
Sherman	2	-	-	-	-	1	-	-	-	-	1	-	-
Tillamook	116	2	20	38	20	12	7	6	3	1	3	4	-
Umatilla	413	12	100	97	88	51	21	17	12	9	1	3	2
Union	150	2	33	33	40	11	13	8	4	1	1	3	1
Wallowa	30	1	4	6	6	6	3	-	2	1	-	1	-
Wasco	155	7	34	40	21	23	9	10	4	2	2	2	1
Washington	1,182	39	239	283	239	163	91	48	29	16	12	10	13
Wheeler	12	-	1	1	3	-	2	1	2	1	1	-	-
Yamhill	299	8	54	71	57	45	31	11	8	6	5	3	-

TABLE 59. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF HUSBAND, OREGON, 1980

COUNTY OF OCCURRENCE	ALL AGES	AGE OF HUSBAND											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	17,762	128	2,249	3,976	3,916	2,639	1,726	1,127	732	509	288	336	136
Baker	96	-	14	18	20	12	11	6	5	3	4	2	1
Benton	354	1	46	84	80	55	34	15	20	8	6	1	4
Clackamas	1,164	5	120	237	272	194	132	71	60	40	13	14	6
Clatsop	198	1	32	42	41	22	24	9	9	7	8	3	-
Columbia	235	3	31	48	47	33	24	21	5	10	6	4	3
Coos	452	4	66	98	85	56	55	29	18	14	15	9	3
Crook	82	-	13	22	7	14	11	5	4	3	3	-	-
Curry	113	3	9	27	19	21	10	10	2	5	2	5	-
Deschutes	433	7	41	78	121	62	56	29	8	12	3	13	3
Douglas	657	5	112	147	122	77	65	51	30	19	13	13	3
Gilliam	4	-	1	-	3	-	-	-	-	-	-	-	-
Grant	86	2	6	17	18	19	7	8	3	1	5	-	-
Harney	43	-	7	15	8	4	4	2	1	-	1	1	-
Hood River	104	1	10	23	22	15	10	5	7	1	3	5	2
Jackson	1,044	9	130	217	217	166	99	63	52	32	17	32	10
Jefferson	76	1	15	15	13	13	8	3	1	2	3	-	2
Josephine	469	5	59	88	97	75	34	41	15	24	16	10	5
Klamath	501	5	77	115	104	76	44	34	16	14	4	7	5
Lake	37	1	4	5	9	4	6	5	2	-	-	1	-
Lane	2,152	17	271	515	493	317	189	119	99	54	24	39	15
Lincoln	186	2	19	41	49	19	20	10	9	6	3	8	-
Linn	628	5	68	141	132	92	75	37	23	23	14	10	8
Malheur	129	1	20	19	34	21	9	8	6	5	3	3	-
Marion	1,188	12	180	263	249	167	128	77	46	25	10	26	5
Morrow	33	-	2	6	6	3	4	2	2	4	2	2	-
Multnomah	4,654	23	543	1,095	1,079	703	418	277	194	132	71	73	46
Polk	285	-	43	58	56	36	30	30	10	5	7	10	-
Sherman	2	-	-	-	-	-	1	-	-	-	-	1	-
Tillamook	116	-	14	29	19	15	17	8	7	2	-	4	1
Umatilla	413	2	63	101	89	59	34	26	20	10	4	5	-
Union	150	-	20	25	42	23	7	18	8	1	1	4	1
Wallowa	30	-	3	4	4	8	3	1	-	2	3	-	2
Wasco	155	1	21	44	27	25	9	10	7	5	3	2	1
Washington	1,182	9	153	269	274	175	119	80	32	29	14	20	8
Wheeler	12	-	1	2	-	2	1	3	-	1	1	1	-
Yamhill	299	3	35	68	58	56	28	14	11	10	6	8	2

MORBIDITY

MORBIDITY 1980

CAMPYLOBACTERIOSIS This bacteria-caused diarrheal illness was not officially reportable in 1980, but 109 cases were voluntarily reported during the year. An increasing number of Oregon laboratories are performing the special procedures necessary to culture the causative organism, *Campylobacter jujuni*. Surveys done in other states and countries have shown *C. jujuni* to be the first or second most common bacterial cause of diarrhea. This may well be observed in Oregon after more laboratories begin culturing for the organism.

Campylobacter infection may result from drinking raw milk or contaminated water, contact with livestock, pets or poultry, handling raw poultry products and eating contaminated food.

GIARDIASIS The number of reported cases remained approximately the same in 1980 as in 1979. One community-wide waterborne outbreak was documented.

POLIOMYELITIS One case of polio occurred during the year. The patient was an adult who had traveled to Mexico shortly before onset of her illness. No secondary cases occurred. This case demonstrates the necessity of maintaining effective immunization programs against polio to prevent introduction of the disease by travelers from developing countries.

MALARIA Forty-nine cases of malaria were reported in 1980, an increase of 104% over the previous year. Most of the cases occurred among Indochinese refugees. None of the cases resulted from transmission within Oregon.

TUBERCULOSIS The number of tuberculosis cases increased sharply in 1980. It is not known whether this represents a trend or simply chance fluctuation from year to year. It is clear, however, that tuberculosis remains a public health concern in Oregon.

TOXIC SHOCK SYNDROME Thirty cases of this newly recognized syndrome were reported in 1980. The disease consists of fever, rash, low blood pressure, pealing skin and other symptoms. Its cause is not yet known, but in 1980 the majority of cases occurred in women during or shortly after a menstrual period. Occurrence was often associated with tampon use during menstruation. Oregon's outbreak of cases was associated with a major outbreak noted in several other states.

PSEUDOMONAS FOLLICULITIS

Thirty-two cases of this skin rash caused by Pseudomonas aeruginosa were reported. The cases were reported in response to a special surveillance project aimed at evaluating association of the condition with hot tub use. Data collected during this surveillance are serving as the basis for special research by the hot water spa and tub industry to seek effective control measures.

SEXUALLY TRANSMITTED DISEASES

Total syphilis cases in 1980 decreased when compared to 1979. Reported cases totaled 296 in 1980 compared to 361 in 1979, an 18% decrease. Gonorrhea cases increased from 10,278 in 1979 to 11,162 in 1980, an increase of 884 (9%).

Multnomah County continues to account for over half of the reported syphilis and gonorrhea in Oregon. Multnomah County reported 170 of the 296 reported syphilis cases (57%) and 5,836 of the 11,162 gonorrhea cases (52%).

Although syphilis and gonorrhea continue to be high among the health problems in Oregon, other sexually transmitted diseases (STD's) are drawing considerable attention. Only the classical five STD's: syphilis, gonorrhea, chancroid, lymphogranuloma venereum, and granuloma inguinale are reportable by law. Since the other STD's are not reportable, it is impossible to know their incidence. Multnomah County keeps accurate records of the other STD's treated and in 1980 reported 4,802 STD cases other than syphilis and gonorrhea. The number of cases treated by the private medical community is unknown.

Since several of the other STD's can cause severe health problems, consideration for adding them to the list of reportable diseases may be made in the future.

FIGURE 32. RATES FOR REPORTED CASES OF INFLUENZA, OREGON, 1945-1980

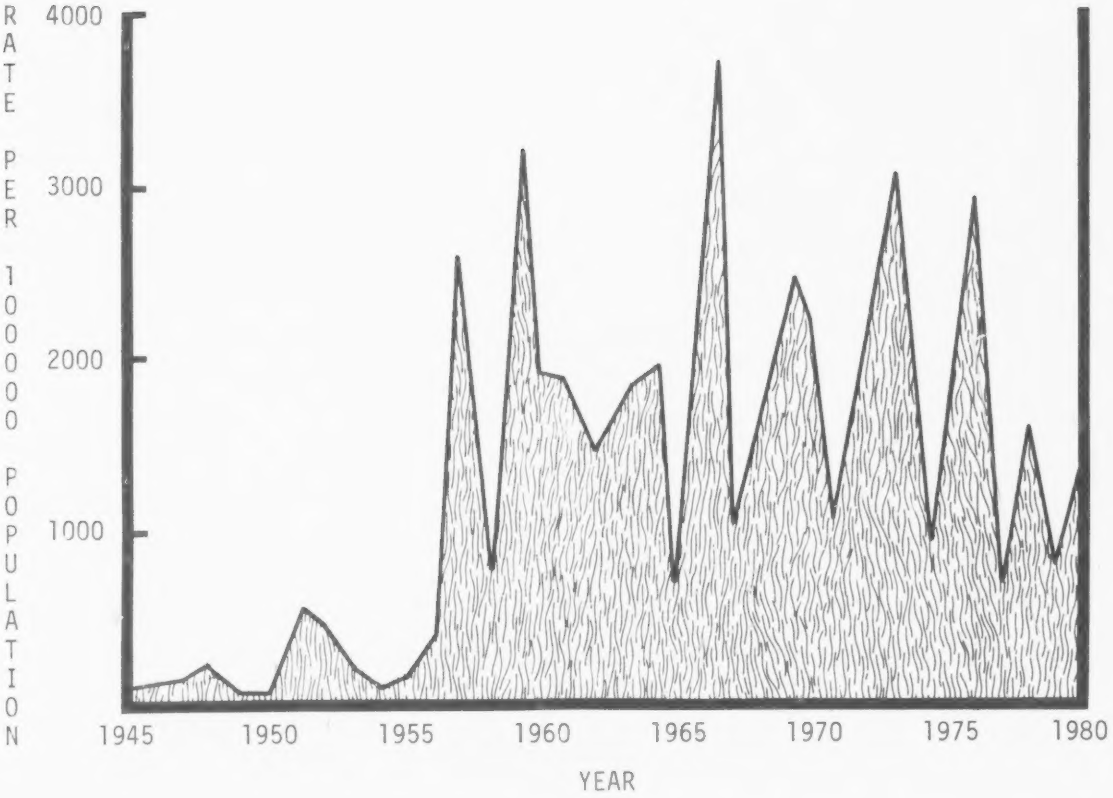


TABLE 60. CASES WITH RATES OF SELECTED REPORTABLE DISEASES, OREGON, 1945-1980

YEAR	DIPHTHERIA		STREPTOCOCCAL INFECTIONS 1/		TYPHOID FEVER 2/		HEPATITIS Type "A" Infectious 3/		HEPATITIS Type "B" Serum 4/		MENINGOCOCCAL INFECTIONS		MEASLES		INFLUENZA		WHOOPING COUGH	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	283	23.1	1,380	112.5	36	2.9	-	-	-	-	50	4.1	1,767	144.0	1,155	94.1	780	63.6
1946	147	10.9	1,155	85.7	62	4.6	-	-	-	-	32	2.4	5,422	402.3	1,323	98.2	804	59.6
1947	109	7.7	1,135	79.7	69	4.8	-	-	-	-	39	2.7	841	59.1	1,473	103.5	709	49.8
1948	70	4.8	1,010	68.7	28	1.9	-	-	-	-	23	1.6	6,087	413.9	3,141	213.6	1,014	68.9
1949	57	3.8	837	55.4	16	1.1	190	12.6	-	-	26	1.7	9,232	610.9	560	37.1	1,031	68.2
1950	43	2.8	951	62.5	11	0.7	201	13.2	-	-	41	2.7	726	47.7	687	45.2	1,420	93.3
1951	56	3.6	1,854	118.2	16	1.0	114	7.3	-	-	55	3.5	9,690	618.0	8,870	565.7	292	18.6
1952	22	1.4	1,619	101.1	18	1.1	378	23.6	1	0.1	57	3.6	3,674	229.3	6,484	404.7	361	22.5
1953	16	1.0	1,638	100.1	17	1.0	1,223	74.7	4	0.2	50	3.1	9,460	578.0	4,049	247.4	942	57.6
1954	6	0.4	2,391	143.8	13	0.8	1,822	109.6	10	0.6	48	2.9	4,053	243.8	796	47.9	801	48.2
1955	1	0.1	2,640	156.1	13	0.8	1,091	64.5	1	0.1	28	1.7	5,077	300.3	1,915	113.3	504	29.8
1956	11	0.6	1,798	103.7	13	0.7	687	39.6	3	0.2	34	2.0	2,345	135.2	6,287	362.4	262	15.1
1957	3	0.2	1,941	111.7	6	0.3	477	27.5	3	0.2	20	1.2	15,718	904.6	46,290	2664.2	119	6.8
1958	7	0.4	2,274	131.6	10	0.6	455	26.3	3	0.2	22	1.3	9,752	564.2	13,109	758.4	538	31.1
1959	6	0.3	2,064	116.2	7	0.4	910	51.2	2	0.1	27	1.6	8,091	455.3	57,324	3225.9	763	42.9
1960	-	-	2,652	149.9	8	0.5	1,129	63.8	2	0.1	35	2.0	11,104	627.8	33,356	1885.9	534	30.2
1961	2	0.1	2,256	124.2	2	0.1	1,453	80.0	2	0.1	28	1.5	5,939	327.0	32,956	1814.4	369	20.3
1962	-	-	1,419	77.7	1	0.1	884	48.4	1	0.1	25	1.4	13,868	759.8	26,407	1446.8	422	23.1
1963	1	0.1	977	52.6	3	0.2	771	41.5	3	0.2	36	1.9	6,231	335.7	31,757	1710.9	509	27.4
1964	-	-	1,277	67.0	-	-	667	35.0	6	0.3	33	1.7	9,198	482.6	36,442	1912.0	276	14.5
1965	-	-	1,005	51.0	6	0.3	608	30.8	5	0.3	43	2.2	3,553	180.2	14,584	739.5	268	13.6
1966	2	0.1	1,564	78.2	1	0.1	1,055	52.8	4	0.2	43	2.2	2,704	135.2	73,947	3697.8	254	12.7
1967	3	0.1	4,124	205.5	3	0.1	864	43.1	45	2.2	32	1.6	1,725	86.0	22,972	1145.0	212	10.6
1968	-	-	5,828	284.2	4	0.2	808	39.4	88	4.3	27	1.3	593	28.9	35,494	1730.6	113	5.5
1969	3	0.1	4,979	239.2	6	0.3	832	40.0	58	2.8	25	1.2	194	9.3	50,892	2444.8	107	5.1
1970	5	0.2	7,268	347.5	-	-	1,033	49.4	91	4.4	33	1.6	458	21.9	46,878	2241.5	95	4.5
1971	2	0.1	7,936	370.3	-	-	1,427	66.6	55	2.6	44	2.1	388	18.1	25,110	1171.7	108	5.0
1972	1	5/	7,030	322.0	2	0.1	1,525	69.8	87	4.0	14	0.6	204	9.3	45,546	2086.1	69	3.2
1973	4	0.2	6,485	291.5	2	0.1	1,110	49.9	181	8.1	19	0.9	453	20.4	67,412	3029.9	40	1.8
1974	-	-	6,402	282.5	1	5/	951	42.0	219	9.7	22	1.0	23	1.0	22,172	978.5	52	2.3
1975	-	-	4,119	179.2	-	-	842	36.6	302	13.1	16	0.7	191	8.3	38,879	1691.1	26	1.1
1976	-	-	4,498	192.1	1	5/	880	37.6	351	15.0	24	1.0	185	7.9	67,596	2886.6	14	0.6
1977	-	-	6,669	278.3	3	0.1	912	38.1	374	15.6	26	1.1	367	15.3	17,068	712.3	364	15.2
1978	-	-	6,369	257.6	1	5/	1,270	51.4	393	15.9	39	1.6	562	22.7	39,887	1613.6	103	4.2
1979	-	-	6,738	264.9	5	0.2	883	34.7	354	13.9	33	1.3	66	2.6	20,385	801.3	11	0.4
1980	-	-	5,553	210.9	9	0.3	846	32.1	408	15.5	58	2.2	1	5/	34,234	1300.4	2	0.1

All rates per 100,000 population

1/ Includes Scarlet Fever and Streptococcal Sore Throat
2/ Does not include Parathyroid
3/ Not reportable until 1949
4/ Not reportable until 1952
5/ Rate less than 0.05

TABLE 61. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1980

COUNTY OF RESIDENCE	AMEBIASIS	ASEPTIC MENINGITIS	CHICKEN POX (16 YRS & OVER)	HEPATITIS A Infect.	HEPATITIS B Serum	INFLUENZA	MALARIA	MENINGOCOCCAL INFECTIONS	MUMPS	RHEUMATIC FEVER	RUBELLA (GERMAN MEASLES)	SALMONELLOSIS	SHIGELLOSIS	TUBERCULOSIS	TULAREMIA	TYPHOID FEVER	PERTUSSIS (WHOOPING COUGH)
STATE	155	99	54	846	408	34,234	49	58	97	5	73	289	157	218	4	9	2
Baker	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-	-
Benton	1	6	2	14	7	1,586	2	1	1	-	-	10	1	8	-	-	-
Clackamas	-	8	8	75	21	4,454	-	2	9	-	4	24	8	13	-	-	-
Clatsop	-	2	1	4	3	-	-	-	-	-	1	1	-	2	-	-	1
Columbia	1	1	-	11	1	-	-	-	-	-	-	1	1	-	-	-	-
Coos	1	-	-	13	7	1,055	-	3	-	-	1	9	1	5	-	-	-
Crook	-	1	-	1	2	290	-	-	-	-	-	-	-	-	-	-	-
Curry	-	1	-	2	2	176	-	-	-	-	-	1	-	2	-	-	-
Deschutes	-	-	-	8	-	2,273	-	-	10	-	1	1	1	1	-	-	-
Douglas	1	3	4	30	12	2,336	1	-	9	-	11	3	3	4	-	-	-
Gilliam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grant	-	-	-	6	1	-	-	-	-	-	1	2	-	-	-	-	-
Harney	1	1	-	1	-	206	-	2	1	-	-	2	-	1	2	-	-
Hood River	-	-	-	8	-	220	-	-	-	-	-	1	2	1	-	-	-
Jackson	9	5	4	33	12	201	2	1	7	-	1	20	7	8	-	-	-
Jefferson	-	-	2	4	-	344	-	-	-	-	-	1	1	2	-	-	-
Josephine	-	2	2	19	7	1,104	9	1	7	-	2	4	1	1	-	3	-
Klamath	1	1	2	6	7	608	-	2	6	1	-	8	3	3	-	-	-
Lake	-	-	-	-	1	569	-	-	1	-	-	-	-	-	2	-	-
Lane	5	-	-	65	36	2,632	5	7	10	1	6	28	10	7	-	2	-
Lincoln	1	-	-	6	3	87	-	-	1	1	-	3	-	2	-	-	-
Linn	1	4	1	34	3	1,237	3	1	3	-	-	12	6	2	-	-	-
Malheur	-	1	-	-	-	553	-	-	-	-	1	4	7	4	-	-	-
Marion	1	19	11	123	33	2,638	2	9	8	-	2	25	12	15	-	-	-
Morrow	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Multnomah	129	29	16	280	209	6,041	21	22	5	-	27	85	67	121	-	3	1
Polk	-	4	-	14	6	1,129	1	-	1	-	-	1	1	-	-	-	-
Sherman 1/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tillamook	-	-	-	2	-	117	-	-	-	2	-	-	2	-	-	-	-
Umatilla	-	1	-	13	-	6	-	2	-	-	-	6	9	2	-	-	-
Union	-	-	-	2	-	279	-	-	2	-	-	5	-	1	-	-	-
Wallowa	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	-
Wasco-Sherman	-	1	-	5	-	-	-	-	-	-	-	-	-	1	-	-	-
Washington	3	9	1	55	30	4,051	3	3	15	-	13	22	12	11	-	1	-
Wheeler	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Yamhill	-	-	-	11	4	-	-	2	1	-	2	7	1	1	-	-	-

1/ Wasco and Sherman Counties reported together

TABLE 62. CASES OF REPORTABLE DISEASES BY MONTH OF REPORT, OREGON, 1980

DISEASES	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Amebiasis	155	5	1	1	3	15	10	13	2	3	9	17	76
Aseptic Meningtis	99	7	1	3	-	17	9	9	10	11	9	15	8
Botulism	4	-	-	-	-	1	-	1	-	-	-	-	2
Chickenpox (age 16+ years)	54	4	4	4	7	8	4	6	3	3	1	5	5
Hepatitis													
Type A (Infectious)	846	51	81	53	97	56	75	50	91	83	73	84	52
Type B (Serum)	408	23	29	35	26	49	42	23	24	27	31	50	49
Influenza	34234	5676	11432	7701	1895	1033	679	492	451	585	844	1424	2022
Leprosy	1	-	-	-	-	-	-	-	-	-	1	-	-
Leptospirosis	1	-	-	-	-	-	-	-	-	-	-	-	1
Malaria	49	1	5	5	2	2	9	4	4	3	4	5	5
Measles (Rubeola)	1	-	-	-	-	-	-	-	-	-	-	1	-
Meningococcal Infect.	58	3	3	20	7	5	1	4	2	1	3	4	5
Mononucleosis, Infect.	2211	224	220	252	185	200	171	104	130	141	161	253	170
Mumps	97	16	9	13	3	7	3	9	9	3	12	8	5
Poliomyelitis	1	-	-	-	-	1	-	-	-	-	-	-	-
Psittacosis	22	-	4	-	1	2	1	-	4	2	3	3	2
Rheumatic Fever, Acute	5	-	1	-	-	3	-	-	-	-	1	-	-
Rubella (German Measles)	73	3	6	19	-	14	5	3	-	-	12	3	8
Salmonellosis (Excl. Typhoid)	289	18	10	31	13	27	24	27	24	24	23	39	29
Shigellosis (Bacillary Dysentery)	157	9	27	14	12	9	8	6	5	15	23	19	10
Tetanus	1	-	-	-	-	-	-	1	-	-	-	-	-
Tularemia	4	-	-	-	-	-	-	1	-	2	1	-	-
Typhoid Fever	9	-	-	-	2	2	2	3	-	-	-	-	-
Typhus Fever (Tick-Borne Rocky Mt. Spot)	2	-	-	-	-	-	-	2	-	-	-	-	-
Whooping Cough (Pertussis)	2	-	1	-	-	-	1	-	-	-	-	-	-

TABLE 63. CASES AND DEATHS OF REPORTABLE DISEASES, OREGON, 1980

DISEASES	CASES	DEATHS
Amebiasis	155	1
Aseptic Meningitis	99	-
Botulism	4	-
Campylobacteriosis	109	-
Chickenpox	54	1
Colorado Tick Fever	5	-
Giardiasis	254	-
Guillain-Barre Syndrome	9	-
Hepatitis:		
Type A (Infectious)	846	6
Type B (Serum)	408	3
Influenza	34,234	60
Kawasaki	3	1
Keratoconjunctivitis	5	-
Legionellosis	2	1
Leprosy	1	-
Leptospirosis	1	-
Listeriosis	5	-
Malaria	49	-
Measles (Rubeola)	1	-
Meningitis, Other	112	24
Meningococcal Infections	58	8
Mononucleosis, Infectious	2,211	4
Mumps	97	-
Orf	2	-
Pneumonia	2,649	644
Poliomyelitis	1	-
Pseudomonas Folliculitis	32	-
Psittacosis	22	-
Relapsing Fever	2	-
Reyes Syndrome	2	-
Rheumatic Fever, Acute	5	1
Ringworm of Scalp	13	-
Rubella (German Measles)	73	-
Salmonellosis	289	-
Scabies	180	-
Shigellosis (Bacillary Dysentery	157	-
Staphylococcal Infections	1,655	9
Streptococcal Sore Throat & Scarlet Fever	5,553	-
Tetanus	1	-
Toxic Shock Syndrome	30	-
Tularemia	4	-
Typhoid Fever	9	-
Typhus (Tick-Borne, Rocky Mt. Spotted)	2	-
Whooping Cough (Pertussis)	2	-
Rabies in Animals	4	-

1/ The classification of diseases under case reporting may differ from reporting of deaths due to the initial reporting of a case during a year prior to the year of death, or to the failure of the physician to report the case to the Disease Monitoring and Control Office of the Oregon State Health Division.

TABLE 64. REPORTED TUBERCULOSIS CASES AND DEATHS WITH RATES, OREGON, 1945-1980

YEAR	CASES 1/		DEATHS	
	Number	Rate	Number	Rate
1945	550	44.8	272	22.2
1946	697	51.7	270	20.0
1947	879	61.8	316	22.2
1948	836	56.8	256	17.4
1949	806	53.3	225	14.9
1950	676	44.4	201	13.2
1951	765	48.8	209	13.3
1952	863	53.9	146	9.1
1953	656	40.1	112	6.8
1954	636	38.2	84	5.1
1955	638	37.7	80	4.7
1956	593	34.2	70	4.0
1957	578	33.3	62	3.6
1958	572	33.1	54	3.1
1959	560	31.5	69	3.9
1960	492	27.8	63	3.6
1961	454	25.0	57	3.1
1962	417	22.8	43	2.3
1963	395	21.3	51	2.7
1964	416	21.8	48	2.5
1965	361	18.3	34	1.8
1966	386	19.3	43	2.2
1967	322	16.0	37	1.8
1968	290	14.1	29	1.4
1969	357	17.2	24	1.2
1970	265	12.7	18	0.9
1971	249	11.6	29	1.4
1972	234	10.7	30	1.4
1973	239	10.7	30	1.3
1974	207	9.1	24	1.1
1975	194	8.4	20	0.9
1976	197	8.4	20	0.9
1977	171	7.1	13	0.5
1978	204	8.3	21	0.8
1979	179	7.0	19	0.7
1980	218	8.3	27	1.0

All rates per 100,000 population

1/ From 1945 to 1974 new cases included those cases first reported in that year. In 1975 through 1980, new cases included those cases first reported in that year plus reactivations.

TABLE 65. REPORTED CASES WITH RATES OF SYPHILIS AND GONORRHEA BY YEAR, OREGON, 1945-1980

YEAR	SYPHILIS			GONORRHEA	
	TOTAL		Primary & Secondary (Contagious)	Cases	Rate
	Case	Rate			
1945	1,717	139.9	472	3,214	261.9
1946	1,447	107.4	493	2,438	180.9
1947	1,427	100.3	439	1,945	136.7
1948	1,205	81.9	286	2,363	92.7
1949	703	46.5	152	854	56.5
1950	525	34.5	54	614	40.4
1951	381	24.3	46	745	47.5
1952	629	39.3	56	702	43.8
1953	683	41.7	48	557	34.0
1954	713	42.9	44	548	33.0
1955	609	36.0	37	470	27.8
1956	598	34.5	52	490	28.2
1957	589	33.9	21	611	35.2
1958	716	41.4	22	916	53.0
1959	746	42.0	46	1,029	57.9
1960	637	36.0	72	1,331	75.3
1961	524	28.8	43	1,258	69.3
1962	561	30.7	49	1,287	70.5
1963	593	31.9	73	1,783	96.1
1964	377	19.8	76	2,177	114.2
1965	427	22.4	47	2,520	127.8
1966	222	11.1	46	2,811	140.6
1967	206	10.3	43	3,363	167.6
1968	199	9.7	41	4,056	197.8
1969	201	9.7	43	5,799	277.6
1970	177	8.5	32	6,793	324.8
1971	114	5.3	15	9,043	422.0
1972	113	5.2	40	10,206	476.5
1973	148	6.7	49	11,146	501.0
1974	237	10.5	118	11,704	516.5
1975	304	13.2	145	11,449	498.0
1976	250	10.7	106	11,022	470.7
1977	282	11.8	144	11,044	460.9
1978	415	16.8	170	11,253	455.2
1979	361	14.2	168	10,278	404.0
1980	296	11.2	109	11,162	424.0

All rates per 100,000 population

TABLE 66. REPORTED CASES OF SYPHILIS AND GONORRHEA BY COUNTY OF RESIDENCE AND BY TYPE OF INFECTION, OREGON, 1980

COUNTY OF RESIDENCE	SYPHILIS					GONORRHEA	
	Total		Primary & Secondary (Contagious)	Early Latent	Late	Number	Rate
	Number	Rate					
TOTAL	296	11.2	109	123	64	11,162	424.0
Baker	-	-	-	-	-	24	148.8
Benton	1	1.5	1	-	-	116	170.1
Clackamas	22	9.1	7	10	5	675	279.0
Clatsop	2	6.2	1	1	-	159	489.4
Columbia	1	2.8	1	-	-	44	123.4
Coos	-	-	-	-	-	148	231.1
Crook	1	7.6	-	-	1	5	38.2
Curry	-	-	-	-	-	9	53.0
Deschutes	-	-	-	-	-	97	156.1
Douglas	-	-	-	-	-	128	136.5
Gilliam	-	-	-	-	-	-	-
Grant	-	-	-	-	-	4	48.7
Harney	-	-	-	-	-	2	24.1
Hood River	1	6.3	1	-	-	58	366.3
Jackson	5	3.8	2	-	3	312	235.5
Jefferson	10	86.2	7	2	1	53	456.9
Josephine	2	3.4	-	1	1	174	295.8
Klamath	-	-	-	-	-	39	66.0
Lake	-	-	-	-	-	1	13.3
Lane	11	4.0	3	2	6	980	356.1
Lincoln	1	2.8	-	-	1	104	294.9
Linn	7	7.8	4	2	1	262	292.8
Malheur	2	7.4	1	-	1	27	100.4
Marion	25	12.2	4	15	6	883	431.4
Morrow	-	-	-	-	-	1	13.3
Multnomah	170	30.2	65	82	23	5,836	1,037.3
Polk	2	4.4	1	1	-	77	170.3
Sherman	1	46.0	1	-	-	2	92.1
Tillamook	1	4.7	-	-	1	43	203.2
Umatilla	9	15.3	3	2	4	122	207.3
Union	1	4.2	1	-	-	38	158.9
Wallowa	-	-	-	-	-	6	82.5
Wasco	1	4.6	-	-	1	50	230.1
Washington	13	5.3	3	2	8	608	247.8
Wheeler	-	-	-	-	-	-	-
Yamhill	7	12.7	3	3	1	75	135.5

Rates per 100,000 population

TABLE 67. REPORTED CASES OF SYPHILIS BY AGE GROUPS AND YEAR, OREGON, 1975-1980

AGE GROUP	1975		1976		1977	
	Cases	Rate	Cases	Rate	Cases	Rate
All Ages	145	63.2	106	45.3	144	60.1
10 - 14	-	-	-	-	-	-
15 - 19	15	6.7	12	5.3	13	5.7
20 - 24	40	18.0	34	14.8	46	19.5
25 - 29	29	16.1	29	15.2	34	16.8
30 - 34	25	16.4	15	9.3	14	8.3
35 - 39	8	6.5	5	3.9	11	8.1
40 +	28	3.3	11	1.3	26	3.0

AGE GROUP	1978		1979		1980	
	Cases	Rate	Cases	Rate	Cases	Rate
All Ages	170	68.8	168	66.0	109 1/	41.4
10 - 14	-	-	1	0.5	1	0.5
15 - 19	13	5.6	11	4.8	11	4.9
20 - 24	32	13.3	39	15.8	24	10.1
25 - 29	38	17.4	45	19.2	32	12.6
30 - 34	28	15.4	25	13.0	26	11.4
35 - 39	28	19.2	20	12.9	6	3.5
40 +	31	3.5	27	3.0	8	0.9

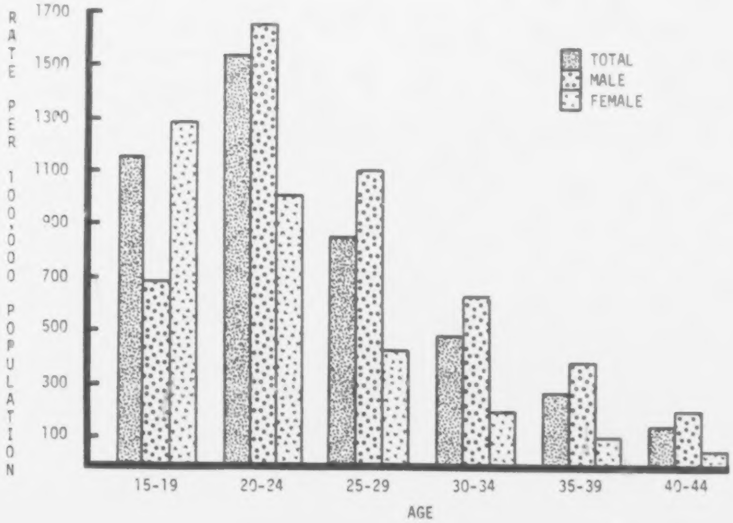
Includes primary and secondary syphilis only.
All rates per 100,000 population within the specific age group.
1/ Includes one with age not stated.

TABLE 68. REPORTED CASES OF GONORRHEA BY SEX AND AGE-GROUPS, OREGON, 1976-1980

AGE GROUP & SEX	1976		1977		1978		1979		1980	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
TOTAL	11,002	469.8	11,033	460.5	11,243	454.8	10,272	403.8	11,159	423.9
Male	4,381	383.0	4,605	393.6	4,981	412.6	5,336	429.7	5,669	437.3
Female	3,782	315.7	3,681	300.2	2,760	276.9	3,973	305.1	3,761	281.4
Under 10	11	*	18	*	13	*	9	*	9	*
Male	1	*	2	*	1	*	1	*	4	*
Female	4	*	5	*	5	*	7	*	4	*
10 - 14	98	46.8	98	47.3	96	46.5	75	37.1	84	41.5
Male	3	2.8	5	4.7	7	6.7	6	5.8	12	11.6
Female	67	65.3	68	67.0	61	60.2	57	56.6	56	56.6
15 - 19	2,703	1192.4	2,817	1233.6	2,714	1174.2	2,437	1052.7	2,630	1164.7
Male	633	548.0	691	593.3	673	570.9	735	623.4	793	691.4
Female	1,536	1381.5	652	1317.5	660	1219.4	240	1287.2	419	1276.1
20 - 24	3,742	1629.7	3,974	1683.5	3,936	1630.8	3,501	1415.2	3,669	1543.0
Male	1,634	1442.4	1,824	1557.5	1,866	1547.9	1,882	1517.6	1,951	1656.2
Female	1,374	1181.2	1,360	1143.3	1,267	1048.8	1,311	1062.6	1,212	1010.1
25 - 29	2,117	1108.7	2,040	1006.8	2,256	1035.3	2,059	880.3	2,171	856.5
Male	1,192	1331.2	1,149	1200.6	1,338	1289.9	1,344	1188.6	1,411	1112.2
Female	522	514.8	476	445.2	466	408.1	553	457.7	541	427.3
30 - 34	747	465.0	817	482.7	922	506.6	956	497.4	1,088	478.1
Male	471	589.5	501	601.3	568	643.2	630	684.1	727	631.8
Female	137	169.6	163	189.7	169	180.4	250	249.8	226	200.9
35 - 39	323	250.7	349	257.1	394	270.0	392	252.4	464	271.8
Male	196	304.3	213	313.7	251	345.0	288	371.2	321	373.1
Female	68	105.6	51	75.2	56	76.5	74	95.2	81	95.7
40 +	302	34.6	293	34.0	363	41.4	381	42.5	384	41.4
Male	204	51.4	188	46.7	229	55.9	287	68.7	266	61.4
Female	36	8.0	38	8.3	46	9.9	62	13.0	57	11.5
Age Not Stated	959		627		549		462		660	
Male	47		32		48		163		184	
Female	38		46		51		197		166	

All rates per 100,000 population within the specific age group.

FIGURE 33. REPORTED CASES OF GONORRHEA BY SEX AND AGE-GROUPS, OREGON, 1980



APPENDIX

FORMULA	EXAMPLE
PREGNANCY	
1. (CRUDE) BIRTH RATE = $\frac{\text{Resident Births}}{\text{Population}}$ X 1,000	Oregon, 1980 $\frac{43,091}{2,632,663}$ X 1,000 = 16.4
2. AGE SPECIFIC BIRTH RATE = $\frac{\text{Resident Births to Mothers in Age Category}}{\text{Female population in Age Category}}$ X 1,000	Oregon, 1980, Ages 20-24 $\frac{14,912}{119,989}$ X 1,000 = 124.3
3. FERTILITY RATE = $\frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female Population Aged 15-44}}$ X 1,000 Note: Some publications use the following $\frac{\text{All resident births}}{\text{Female Population Aged 15-44}}$	Oregon, 1980 $\frac{43,007}{620,886}$ X 1,000 = 69.3
4. TOTAL FERTILITY RATE = 5 X $\sum$ Age-Specific Birth Rates in 5 year Categories between 15 and 44	Oregon, 1980 5(50.9+124.3+112.9+57.8+17.2+2.8)=1830
5. RESIDENT PREGNANCY RATE = $\frac{\text{Resident Births + Resident Fetal Deaths + Resident Abortions}}{\text{Female Population Aged 15-44}}$ Note: This figure does not include fetal deaths prior to 20 weeks gestation. It does not include abortions which occurred in California	Oregon, 1980 $\frac{43,091 + 294 + 15,898}{620,886}$ X 1,000 = 95.5
6. FETAL DEATH RATE = $\frac{\text{Resident Fetal Deaths of 20 or More Weeks Gestation}}{\text{Resident Births}}$ X 1,000 Note: Publications vary in the Gestation Cut-off for fetal deaths. The following formula is sometimes used $\frac{\text{Resident Fetal Deaths}}{\text{Resident Births + Resident Fetal Deaths}}$ X 1,000	Oregon, 1980 $\frac{294}{43,091}$ X 1,000 = 6.8
7. ABORTION RATIO = $\frac{\text{Resident Abortions}}{\text{Resident Births}}$ X 1,000 OR $\frac{\text{Occurrence Abortions}}{\text{Occurrence Births}}$ X 1,000	Oregon, 1980, Occurrence $\frac{15,735}{44,223}$ X 1,000 = 355.8
8. ABORTION RATE = $\frac{\text{Resident Abortions OR Occurrence Abortions}}{\text{Female Population Aged 15-44}}$ X 1,000	Oregon, 1980, Occurrence $\frac{15,735}{620,886}$ X 1,000 = 25.3
DEATHS	
9. (CRUDE) DEATH RATE = $\frac{\text{Resident Deaths}}{\text{Population}}$ X 1,000	Oregon, 1980 $\frac{21,756}{2,632,663}$ X 1,000 = 8.3
10. INFANT DEATH RATE = $\frac{\text{Resident Infant Deaths}}{\text{Resident Births}}$ X 1,000	Oregon, 1980 $\frac{521}{43,091}$ X 1,000 = 12.1
11. NEONATAL DEATH RATE = $\frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}}$ X 1,000	Oregon, 1980 $\frac{303}{43,091}$ X 1,000 = 7.0
12. POST-NEONATAL DEATH RATE = $\frac{\text{Resident Post-Neonatal Deaths}}{\text{Resident Births}}$ X 1,000	Oregon, 1980 $\frac{218}{43,091}$ X 1,000 = 5.1
13. CAUSE-SPECIFIC DEATH RATE = $\frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}}$ X 100,000	Oregon, 1980, Heart Disease $\frac{7,659}{2,632,663}$ X 100,000 = 290.9
14. AGE-SEX SPECIFIC DEATH RATE = $\frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Category}}$ X 1,000	Oregon, 1980, Males aged 65-74 $\frac{3,069}{84,691}$ X 1,000 = 36.2

MARRIAGE AND DIVORCE

15. MARRIAGE RATE = $\frac{\text{Marriages}}{\text{Population}} \times 1{,}000$ Oregon, 1980 $\frac{23{,}004}{2{,}632{,}663} \times 1{,}000 = 8.7$

16. AGE-SPECIFIC MARRIAGE RATE = Oregon, 1980, Grooms Aged 20-24

$$\frac{\text{Marriages of Grooms in Specific Age Group}}{\text{Population of Males in Specific Age Group}} \times 1{,}000 \qquad \frac{7{,}908}{117{,}800} \times 1{,}000 = 67.1$$

AND

$$\frac{\text{Marriages of Brides in Specific Age Group}}{\text{Population of Women in Specific Age Group}} \times 1{,}000$$

17 DIVORCE RATE = $\frac{\text{Divorces}}{\text{Population}} \times 1{,}000$ Oregon, 1980 $\frac{17{,}762}{2{,}632{,}663} \times 1{,}000 = 6.7$

CALCULATING CONFIDENCE INTERVALS FOR DEATH RATES

To determine the confidence intervals for mortality rates two numbers are needed: (1) the number of deaths and (2) the number in the denominator of the rate. If the rate is an infant, neonatal or post-neonatal mortality rate then the denominator is the number of births. Otherwise the denominator is a population figure. Use this formula:

$$\frac{1{,}000}{\text{denominator}} \left(\text{deaths} \pm 1.96 \sqrt{\text{deaths}}\right) = \text{rate} \pm \text{confidence interval}$$

1980 had 303 neonatal deaths and 43,091 births for a neonatal death rate of 7.03

1979 had 276 neonatal deaths and 41,564 births for a neonatal death rate of 6.64

The true neonatal death rate for 1980 $= \frac{1{,}000}{43{,}091} \left(303 \pm 1.96 \sqrt{303} \right)$

$= .02321\ (303 \pm 34.1175)$

$= 7.03 \pm .79$

Hint:
.02321x303=7.03
.02321x34.1175=.79

We are 95% sure that the true neonatal death rate is between 6.24 and 7.82.

The true neonatal death rate for 1979 $= \frac{1{,}000}{41{,}564} \left(276 \pm 1.96 \sqrt{276} \right)$

$= .02406\ (276 \pm 32.5620)$

$= 6.64 \pm .73$

We are 95% sure that the true neonatal death rate is between 5.86 and 7.42.

To determine if the difference between two rates is significant use the confidence intervals in this formula:

$$\text{Difference between the two rates} \pm \sqrt{\text{1st Confidence Interval}^2 + \text{2nd Confidence Interval}^2}$$

If the interval obtained from this calculation does not include 0 then the difference is statistically significant at the 95% level.

1980 Neonatal death rate is $7.03 \pm .79$ 1979 Neonatal death rate is $6.64 \pm .78$

The difference between these $= (7.03 - 6.64) \pm \sqrt{.79^2 + .78^2}$

$= .39 \pm \sqrt{.79^2 + .78^2}$

$= .39 \pm 1.23$

The interval is between -.84 and 1.62. Since this includes 0 the difference is not significant.

NOTE: If the death rates under consideration are greater than 100 (for example for ages over 65) then $1.96 \sqrt{\text{deaths}}$ should be replaced with:

$$1.96 \sqrt{\text{death}\left(1 - \frac{\text{deaths}}{\text{denominator}}\right)}$$

CALCULATING MORTALITY RATES ADJUSTED FOR SEX/AGE/RACE

When comparing rates and ratios the influences of sex, age and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The *direct adjusted rate* applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state). Often the United States population of 1940 is used.

The *standard mortality ratio* compared the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S. rates) had occurred.

Life expectancy assumes that a theoretical group of babies would experience each of the current specific death rates. The average life expectancy is the mean number of years lived by these babies.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The follwoing example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\left(\frac{\text{county male deaths}}{\text{county male population}} \times \text{state male population}\right) + \left(\frac{\text{county female deaths}}{\text{county female population}} \times \text{state female population}\right)}{\text{Total State Population}} \times 1{,}000$$

The same logic can be used to adjust for age and/or race.

REFERENCES

For further information about calculating confidence intervals and adjusting rates see

National Center for Health Statistics: Infant Mortality, by J.C. Kleinman, *Statistical Notes for Health Planners*, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J.C. Kleinman. *Statistical Notes for Health Planners*, No. 3, Health Resources Administration, Washington, D.C., February 1977.

SYMBOLS USED IN THIS REPORT

QUANTITY IS ZERO IN FREQUENCY TABLES	-
RATE OR PERCENT IS LESS THAN OR EQUAL TO 0.05. . . .	0.0
DATA NOT AVAILABLE OR NOT APPLICABLE	---
INSUFFICIENT DATA FOR COMPUTATION.	*

OTHER RECENT PUBLICATIONS
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OREGON VITAL STATISTICS COUNTY DATA, 1980

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MATERNAL AND INFANT HEALTH CHARACTERISTICS OF OREGON's INDOCHINESE REFUGEES, 1980

BIRTHS, NEONATAL DEATHS AND NEONATAL DEATH RATES BY WEIGHT AND HOSPITAL OF BIRTH, OREGON, 1976-1980

BIRTHS AND NEONATAL DEATHS BY WEIGHT AND HOSPITAL OF BIRTH, FOR SINGLE YEAR - 1980

DEATHS DUE TO DRUGS OR WITH MENTION OF DRUGS, OREGON, 1980